Extron Electronics

INTERFACING, SWITCHING AND CONTROL

2014 NEW PRODUCTS

FIRST EDITION

Extron®

Satisfaction Guarantee

As a leading manufacturer in the AV industry, we are committed to engineering and manufacturing our products to the highest standards of quality, performance, and value. From our advanced product design, manufacturing and quality control procedures to our friendly and knowledgeable support teams, our commitment to satisfy you is paramount. In every interaction with Extron, you can be confident you will receive our S3 commitment to Service, Support, and Solutions. For 31 years, our objective has been to ensure that every customer is completely satisfied with every purchase.

To underscore this commitment, we offer our Satisfaction Guarantee. This means we will work diligently to resolve any issue you have with your purchase until you are completely satisfied. Extron employees are prepared to do whatever it takes to make certain that the entire process of doing business with us is a positive and professionally rewarding experience for you.

I'm so confident in our ability to deliver on this pledge that I back it personally. If you are not satisfied with any part of your transaction with Extron, I want to know. Please contact me at president@extron.com. I will personally address any unresolved customer issue. We greatly appreciate your business. It is our intent to keep you as a customer for life.

Andrew C. Edwards

President

EXTRON PRO SERIES CONTROL PRODUCTS

Extron Pro Series Control Products – Introducing a New Era of Control Capabilities

For over a dozen years, Extron has been the industry leader in configurable control systems and has provided products with the power to handle the needs of professional AV applications. We are now very pleased to announce a whole new era for Extron control systems. Extron Pro Series Control Systems expand AV control capabilities with advanced configuration software, exciting new touchpanels, more powerful processing, and a broad range of other enhancements designed to support the evolving complexities of today's AV system designs. Extron Pro Series control systems includes more than 40 new products, all backed by the S³ customer support you trust.

New Powerful Configuration Software

The latest version of our Global Configurator software provides the most powerful and versatile AV control system configuration tools we have ever offered to AV system integrators. It is ideal for a wide variety of control systems and applications, and helps streamline integration within today's demanding AV control environments. Within this latest version, advanced features, such as conditional logic, variables, and macros provide even greater flexibility for more elaborate control system designs. Global Configurator has two modes. Global Configurator Plus is ideal for smaller scale applications requiring one control processor and one control interface as well as a mirrored interface. Global Configurator Professional includes all of the powerful features within Global Configurator Plus with the addition of expanded features that make it especially suited for applications requiring multiple control processors, enhanced functionality, and advanced configuration.

Support BYOD with Extron LinkLicense

Extron is introducing a new concept in user friendly control system design. A LinkLicense™ is a simple way for people to use their mobile devices or computers as a primary control interface in an Extron control system. This new option gives integrators the freedom to choose control interfaces based on their customers' specific needs. LinkLicense answers requests from customers to provide users the freedom to use their own tablets and laptops as the primary method of control within presentation environments so they may roam freely around the room. All new IPCP Pro control processors may be purchased with or without a LinkLicense.

New Larger, More Powerful Touchpanels

We have introduced 12 new TouchLink Pro touchpanels with faster processing and more memory. Five of these are in new 5", 12", and 15" sizes with vibrant, capacitive touchscreens. The two largest sizes have high resolution video preview and a bold new design with edge-to-edge glass.

TouchLink Interface – Use a Third Party Touchscreen for Control

The Extron TLI Pro 101 is a TouchLink Interface that allows a third party touchscreen display to be used as a control interface within an Extron Pro Series control system. An HDMI input provides video preview and a scaled HDMI output supports displays from 800x600 to 1920x1200, as well as HDTV 1080p/60. Power over Ethernet - PoE allows the TLI Pro 101 to receive power and communications over a single Ethernet cable. The TLI Pro 101 is ideal for control applications that require a fully customizable third party touchscreen interface with multi-source video preview and a scalable, high resolution HDMI output.

Six New Control Processors

Our six new IP Link Pro control processors are faster, more secure, and more powerful than ever. Built-in Gigabit Ethernet and new network protocols allow fast and secure connections. When combined with our new Global Configurator Plus and Global Configurator Professional configuration software, these control processors are capable of enhanced functions including conditional logic as well as advanced scheduling and monitoring.

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CONTROL SYSTEM CONFIGURATION SOFTWARE

Global Configurator Plus and Global Configurator Professional

Powerful Configuration Software for AV Control Systems

Global Configurator is Extron's most powerful and versatile control system configuration software. It is ideal for a wide variety of control systems and applications, and helps streamline integration within today's demanding AV control environments. Within this latest version, powerful features, such as conditional logic, variables, and macros provide even greater flexibility for more elaborate control system designs. Global Configurator has two modes. **Global Configurator Plus** is ideal for smaller scale applications requiring one control processor and one control interface. **Global Configurator Professional** duplicates all of the powerful features within Global Configurator Plus but is especially suited for applications requiring multiple control processors, enhanced functionality, and advanced configuration.

Global Configurator Professional

Powerful Features

New features within Global Configurator offer enhanced flexibility when configuring systems. For example, conditional logic allows advanced functionality with the addition of "if" and "else" statements. With the help of Conditional Logic, one can easily set up operations that are dependent upon occurrence and non-occurrence of certain events. The controller templates feature helps create a baseline configuration that can be reused to create identical control systems.

Enhanced Functionality for Larger Control Systems

With Global Configurator Professional, the Controller Groups feature allows up to four control processors to be grouped together and work as one big controller. This feature is required to serve the needs of advanced systems that require more control ports than a single control processor would have. Grouping the control processors will also reduce the need for long RS-232 cable runs, as the group can span several rooms instead of being limited to a single room. Existing Pro Series control systems benefit with this added feature as this provides an opportunity for easy expansion.

New Drivers Enable Greater System Capabilities

A new class of drivers brings greater AV system performance and capabilities. The new Serial over Ethernet drivers expand control capabilities through devices such as Extron XTP Systems that are capable of IP to serial direct port control. Another new driver feature increases configuration speed and efficiency by centralizing the parameter changes of a command. Instead of having to enter many parameter values, a technician can enter one value that will then be automatically set for multiple instances of that command.

Adding New Equipment is Fast and Easy

Configuration changes may be required when a controlled device is replaced or additional functionality is desired. With Global Configurator Professional, modifying a configuration is fast and easy. The program creates and stores unique configuration files, which can be recalled whenever changes are required.

Model	Version Description	Part Number
Global Configurator Plus and Global Configurator Professional	Configuration Software	79-544-01

Features	Global Configurator Plus	Global Configurator Professional
Control Processors supported per system	1	4
Touchpanels supported per system	1 Primary 1 Mirrored	8
Ethernet Drivers supported	8	32
Controller Groups	No	Yes
Macros	Yes	Yes
User Defined Commands supported	Yes	Yes
Controller Templates	Yes	Yes
Conditional Logic	Yes	Yes
Local Variables	Yes	Yes
Library of Extron Certified Drivers	Yes	Yes
Virtual Touchlink support	Yes	Yes
GUI Design Software	GUI Designer	GUI Designer
LinkLicense Support	Yes	Yes

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LINK LICENSE

LinkLicense

Use Third Party Devices as Primary Control Interfaces

Extron LinkLicense™ is a simple way for people to use their mobile devices or computers as primary control interfaces in an Extron control system. This option gives integrators the freedom to choose control interfaces based on their customers' specific needs. LinkLicense answers requests from customers to provide users the freedom to use their own tablets and laptops as the primary method of control within presentation environments so they may roam freely around the room. All new IPCP Pro control processors may be purchased with or without a LinkLicense.

FEATURES

- Cut costs by using a single license per system, not per user
- Operates seamlessly with the TouchLink App
- Use in a system where a TouchLink Pro touchpanel may not be present
- Make system operation more convenient for the user
- Save money by using low cost Extron Apps for control
- Simplify deployment of BYOD – Bring Your Own Device control designs
- Ease support by standardizing on a consistent BYOD control approach across your organization
- Streamline the purchasing process and reduce administrative burdens
- Enable user interfaces that are customized for your user's devices or the application needs

Model	Version Description	Part Number
LinkLicense	LinkLicense	68-2546-01

For more information on Extron LinkLicense, please contact your Extron Customer Support Representative, or visit www.extron.com/LL

Three Easy Steps to use mobile devices or computers as primary control interfaces in an Extron Control System:

Step 1

Purchase an Extron IPCP Pro Series Control Processor with a LinkLicense included or add a LinkLicense to an existing IPCP Pro control processor.

Step 2

Create a custom user interface and configure your control system using Global Configurator Plus or Professional.

Step 3

Upload your user interface designs and use your mobile device or computer to control the system.

TouchLink for iPad

iPad Control App for TouchLink Touchpanels

Extron's TouchLink® for iPad is an easy-to-use AV control system app designed for the Apple iPad that provides users with an additional point of control for rooms equipped with any TouchLink touchpanel. The app is compatible with projects created using Global Configurator 3.5. With this app, presenters can wirelessly control their AV system using a Wi-Fi network, allowing them the freedom to move around the room, or even between rooms. Each button press is tracked in real time between the app and the touchpanel, so that both stay in sync. TouchLink for iPad requires no additional GUI configuration, as it emulates the interface of the existing touchpanel. TouchLink for iPad is available now for download on the App Store.

FEATURES

- Provides an additional point of control for TouchLink touchpanels
- Familiar user interface duplicates the installed TouchLink touchpanel GUI
- Room Manager allows users to easily add touchpanels and customize room lists
- Supports Extron LinkLicense™
- Quickly switch between rooms with a single tap on the screen
- Button tracking allows iPad and touchpanel to stay in sync
- Provides real-time status and remote control of multiple rooms for troubleshooting and management
- Wireless control using a Wi-Fi network allows users to move freely around a room and between rooms

Model	Version Description	Part Number
TouchLink for iPad	iPad App for TouchLink Touchpanels	79-559-01

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USER INTERFACE DESIGN SOFTWARE

GUI Designer

Free Design Software for User Interfaces

Extron GUI Designer is a software application used for the design, creation, and maintenance of Extron TouchLink® Pro user interfaces. Begin with ready-to-use design templates and resource kits, or start from scratch and build your own layout using our comprehensive software. The available design elements are fully customizable and matched carefully to popular AV system applications. In many cases, all the input sources, display control, and environmental settings are already in place. These resources are fully developed and include complete, detailed documentation.

GUI Designer

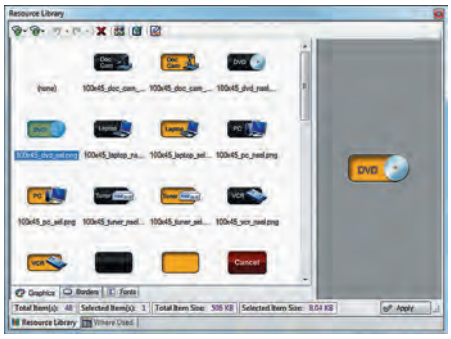
Ready-to-use Templates and Resource Kits

GUI Designer includes ready-to-use templates for single display rooms, dual display rooms, divisible rooms, multi-image systems, and videoconference suites that can be used for TouchLink Pro touchpanels. Since system designs vary, our templates can be customized to suit the specific needs of any application. The GUI Designer design environment enables a wide variety of design choices for buttons, colors, logos, font styles, and more.

Resource Library - font styles

Start From Scratch and Design Your Own Layout

A wide array of design options enable users to develop their own touchscreen layouts to meet almost any system requirement. The GUI Designer resource library of shapes, graphics, and fonts provide a wide variety of choices for design of pages and pop ups to provide transport controls, multi-state buttons, 3D effects, video windows, dynamic text, and more. In addition, users can import their own images and font files into GUI Designer and use the resource management tool to provide further customization capabilities. The Designer Window displays the layout design in progress, so the changes can be seen while the customization occurs.



Resource Library - graphics

Use Dynamic Scaling to Speed up Your Design Process

The new, Dynamic Scaling feature allows easy conversion of GUI designs between different size touchpanels. This simplifies GUI implementation throughout a project by allowing easy scalability between TouchLink Pro touchpanel models.

Prepare User Interface for Configuration

Once the touchscreen layout design is completed, the process for uploading the design files to a Pro platform interface is simple. GUI Designer provides a file for use with Global Configurator Plus or Professional, which, in turn, connects to the interface over the network for uploading the layout project data.

System Requirements

- Intel® Pentium® 4 or AMD Athlon™ processor
- Microsoft® Windows® XP SP3, Windows Vista®, or Windows® 7
- Microsoft .NET® Framework 2.0 and 4.0 or greater
- 1 GB of RAM (2 GB of RAM recommended for multiple or large projects)
- 100 MB of available hard disk space
- A network connection with a data transfer rate of 10 Mbps, 100 Mbps recommended
- 1024x768 screen resolution

Model	Version Description	Part Number
GUI Designer	Free User Interface Design Software	79-574-01

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RESOURCE MANAGEMENT SOFTWARE

GlobalViewer Enterprise

Server-Based AV Resource Management Software

GlobalViewer® Enterprise takes enterprise-wide scheduling, monitoring, and help-desk functionality to a new level. Building on an already powerful feature set, this latest version, 2.2, provides a host of new and enhanced features that streamline and simplify many common AV tasks. Microsoft® .NET® technology allows GlobalViewer Enterprise to integrate with third-party facility scheduling software for viewing room availability and managing meeting schedules. GlobalViewer Enterprise 2.0, and later, supports configurations created in Extron Global Configurator 3.5.x, as well as the newly-introduced Global Configurator Plus and Professional configuration software.

Expanded Help Desk Views

Powerful AV System Management

GlobalViewer Enterprise is a powerful resource management tool that is designed to leverage the security, data, and access control capabilities of Microsoft Windows Server.

AV and IT support teams will appreciate the agility and flexibility GlobalViewer Enterprise provides to access usage data, create reports, and control the system from any computer on the LAN or WAN. The Help Desk view offers one to observe the entire enterprise in a single window and gain access to detailed room data with just a click of a mouse. GlobalViewer Enterprise also supports integration of third-party control systems.

What's New in GlobalViewer Enterprise 2.2

Support for Pro and Plus Series Control Products
GlobalViewer Enterprise now supports configurations created in Extron Global Configurator Plus and Professional.

Updated Reporting User Interface
With GVE 2.2, the report generation can be scheduled and automated with the help of an easy to use user interface.

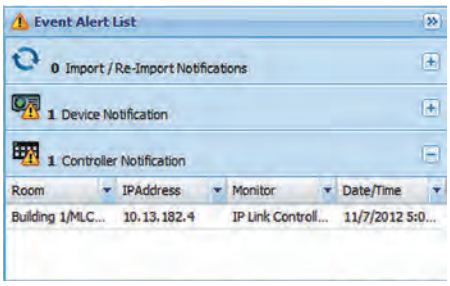
More flexible input source usage reporting
Global Configurator Plus and Professional will allow users greater flexibility in reporting input source usage to GVE, which will better support touchpanel and scaling systems.

GVE Room Events
Allow GVE to trigger customized sets of actions from control systems managed by it.

Global Configurator Plus and Professional upload to GVE
The auto upload options will be provided in GC Plus and Pro to enable the configuration to be pushed directly to GVE without needing to import the configuration after every update to the system from GVE.

Model	Version Description	Part Number
GlobalViewer Enterprise	Server-Based Resource Mngmnt Software	29-096-01
GlobalViewer Enterprise Update	Resource Mngmnt Software Update	29-096-03

Enhanced Tree Manager



Enhanced Event Alert List

Streamlined Room Control Terminal

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TOUCHLINK PRO SERIES TOUCHPANELS

TLP Pro 1520MG

15" Wall Mount TouchLink Pro Touchpanel

The Extron TLP Pro 1520MG is a 15" wall mount touchpanel with a capacitive, edge-to-edge glass touchscreen. As with all TouchLink Pro models, this new, customizable touchpanel features faster processing and more memory. The 18 bit color, 1366x768 capacitive touchscreen provides a vibrant image and a more responsive control surface. The TLP Pro 1520MG features video preview inputs that support high resolution HDCP-compliant video from HDMI sources and Extron XTP devices. Power over Ethernet - PoE allows the touchpanel to receive power and communications over a single Ethernet cable. The TLP Pro 1520MG has a bold, clean, high tech design and features that make it ideal for control applications that require a fully-customizable wall mount touchpanel with a large control surface and multi-source video preview.

FEATURES

- 15" capacitive touchscreen with 1366x768 resolution and 18-bit color depth
- Faster processing and more memory
- Supports XTP and HDMI input signals for full-motion video preview and monitoring
- Compatible with all IP Link® Pro control processors
- Power over Ethernet allows the touchpanel to receive power and control over a single Ethernet cable, eliminating the need for a local power supply
  - High Power PoE injector included
- Built-in speakers provide stereo audio
- Light sensor adjusts screen brightness as the ambient room lighting changes
- Configurable red and green status lights indicate a room's availability or call status
- System connection status indicator provides visual feedback if the touchpanel is not communicating with a control processor
- Two high speed USB 2.0 ports
- 3.5mm headphone jack provides local audio out from the touchpanel
- Automatic clock synchronization allows touchpanel to display the accurate time and date
- Energy-saving features:
  - Adjustable sleep timer puts touchpanel into sleep mode
  - Motion detector wakes touchpanel
- Mounts on a wall, lectern, or any flat surface

Model	Version Description	Part Number
TLP Pro 1520MG	Black w/PoE Inj - Wall	60-1342-02

TLP Pro 1520TG

15" Tabletop TouchLink Pro Touchpanel

The Extron TLP Pro 1520TG is a 15" tabletop touchpanel with a capacitive, edge-to-edge glass touchscreen. As with all TouchLink Pro models, this new, customizable touchpanel features faster processing and more memory. The 18 bit color, 1,366x768 capacitive touchscreen provides a vibrant image and a more responsive control surface. The TLP Pro 1520TG features video preview inputs that support high resolution HDCP-compliant video from HDMI sources and Extron XTP devices. Power over Ethernet - PoE allows the touchpanel to receive power and communications over a single Ethernet cable. The TLP Pro 1520TG has a bold, clean, high-tech design and features that make it ideal for control applications that require a fully-customizable tabletop touchpanel with a large control surface and multi-source video preview.

FEATURES

- 15" capacitive touchscreen with 1366x768 resolution and 18-bit color depth
- Faster processing and more memory
- Supports XTP and HDMI input signals for full-motion video preview and monitoring
- Compatible with all IP Link® Pro control processors
- Power over Ethernet allows the touchpanel to receive power and control over a single Ethernet cable, eliminating the need for a local power supply
  - High Power PoE injector included
- Built-in speakers provide stereo audio
- Light sensor adjusts screen brightness as the ambient room lighting changes
- Configurable red and green status lights indicate a room's availability or call status
- System connection status indicator provides visual feedback if the touchpanel is not communicating with a control processor
- Two high speed USB 2.0 ports
- 3.5mm headphone jack provides local audio out from the touchpanel
- Automatic clock synchronization allows touchpanel to display the accurate time and date
- Energy-saving features:
  - Adjustable sleep timer puts touchpanel into sleep mode
  - Motion detector wakes touchpanel
- Sits on a tabletop or installs on a VESA mount

Model	Version Description	Part Number
TLP Pro 1520TG	Black w/PoE Inj - Tabletop & VESA	60-1343-02

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TOUCHLINK PRO SERIES TOUCHPANELS

TLP Pro 1220MG

12" Wall Mount TouchLink Pro Touchpanel

The Extron TLP Pro 1220MG is a 12" wall mount touchpanel with a capacitive, edge-to-edge glass touchscreen. As with all TouchLink Pro models, this new, customizable touchpanel features faster processing and more memory. The 18 bit color, 1280x800 capacitive touchscreen provides a vibrant image, more responsive control surface, and increased vertical viewing angle. The TLP Pro 1220MG features video preview inputs that support high resolution HDCP-compliant video from HDMI sources and Extron XTP devices. Power over Ethernet - PoE allows the touchpanel to receive power and communications over a single Ethernet cable. The TLP Pro 1220MG has a bold, high-tech design and features that make it ideal for control applications that require a fully-customizable wall mount touchpanel with a large control surface and multi-source video preview.

FEATURES

- 12" capacitive touchscreen with 1280x800 resolution and 18-bit color depth
- Faster processing and more memory
- Supports XTP and HDMI input signals for full-motion video preview and monitoring
- Compatible with all IP Link® Pro control processors
- Power over Ethernet allows the touchpanel to receive power and control over a single Ethernet cable, eliminating the need for a local power supply
  - High Power PoE injector included
- Built-in speakers provide stereo audio
- Light sensor adjusts screen brightness as the ambient room lighting changes
- Configurable red and green status lights indicate a room's availability or call status
- System connection status indicator provides visual feedback if the touchpanel is not communicating with a control processor
- Two high speed USB 2.0 ports
- 3.5mm headphone jack provides local audio out from the touchpanel
- Automatic clock synchronization allows touchpanel to display the accurate time and date
- Energy-saving features:
  - Adjustable sleep timer puts touchpanel into sleep mode
  - Motion detector wakes touchpanel
- Mounts on a wall, lectern, or any flat surface

Model	Version Description	Part Number
TLP Pro 1220MG	Black w/PoE Inj - Wall	60-1340-02

TLP Pro 1220TG

12" Tabletop TouchLink Pro Touchpanel

The Extron TLP Pro 1220TG is a 12" tabletop touchpanel with a capacitive, edge-to-edge glass touchscreen. As with all TouchLink Pro models, this new, customizable touchpanel features faster processing and more memory. The 18 bit color, 1280x800 capacitive touchscreen provides a vibrant image, more responsive control surface, and increased vertical viewing angle. The TLP Pro 1220TG features video preview inputs that support high resolution HDCP-compliant video from HDMI sources and Extron XTP devices. Power over Ethernet - PoE allows the touchpanel to receive power and communications over a single Ethernet cable. The TLP Pro 1220TG has a bold, clean, high-tech design and features that make it ideal for control applications that require a fully-customizable tabletop touchpanel with a large control surface and multi-source video preview.

FEATURES

- 12" capacitive touchscreen with 1280x800 resolution and 18-bit color depth
- Faster processing and more memory
- Supports XTP and HDMI input signals for full-motion video preview and monitoring
- Compatible with all IP Link® Pro control processors
- Power over Ethernet allows the touchpanel to receive power and control over a single Ethernet cable, eliminating the need for a local power supply
  - High Power PoE injector included
- Built-in speakers provide stereo audio
- Light sensor adjusts screen brightness as the ambient room lighting changes
- Configurable red and green status lights indicate a room's availability or call status
- System connection status indicator provides visual feedback if the touchpanel is not communicating with a control processor
- Two high speed USB 2.0 ports
- 3.5mm headphone jack provides local audio out from the touchpanel
- Automatic clock synchronization allows touchpanel to display the accurate time and date
- Weighted base allows up to 40° of tilt
- Energy-saving features:
  - Adjustable sleep timer puts touchpanel into sleep mode
  - Motion detector wakes touchpanel

Model	Version Description	Part Number
TLP Pro 1220TG	Black w/PoE Inj - Tabletop & VESA	60-1341-02

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TOUCHLINK PRO SERIES TOUCHPANELS

TLP Pro 520M

5" Wall Mount TouchLink Pro Touchpanel

The Extron TLP Pro 520M is a 5" wall mount touchpanel with a capacitive glass touchscreen. As with all TouchLink Pro models, this new customizable touchpanel features faster processing and more memory. It is the first TouchLink touchpanel that can be mounted in both portrait and landscape orientations. The 24 bit color, 800x480 capacitive touchscreen provides a vibrant image and more responsive control surface. Power over Ethernet - PoE allows the touchpanel to receive power and communications over a single Ethernet cable. The TLP Pro 520M features a similar design as our legacy TouchLink touchpanels, allowing it to easily blend in with existing Extron technology in your facility. It is ideal for any AV application requiring a compact, capacitive screen touchpanel with flexible mounting options and a fully customizable interface.

FEATURES

- 5" capacitive touchscreen with 800x480 resolution and 24-bit color depth
- Faster processing and more memory
- Compatible with all IP Link® Pro control processors
- Power over Ethernet allows the touchpanel to receive power and control over a single Ethernet cable, eliminating the need for a local power supply
- Built-in speaker with improved audio performance
- Light sensor adjusts screen brightness as the ambient room lighting changes
- Configurable red and green status lights indicate a room's availability or call status
- Mounts on a wall, lectern, or any flat surface including glass
- Can be mounted in either portrait or landscape orientations
- Fully customizable using Extron control system software

Model	Version Description	Part Number
TLP Pro 520M	Black & White Bezels - Wall	60-1185-02

TLP Pro 1020M

10" Wall Mount TouchLink Pro Touchpanel

The Extron TLP Pro 1020M is a 10" wall mount touchpanel with a high resolution, LCD touchscreen. As with all TouchLink Pro models, this new customizable touchpanel features faster processing and more memory. Power over Ethernet - PoE allows the touchpanel to receive power and communications over a single Ethernet cable. The TLP Pro 1020M features the same contemporary design as our legacy TouchLink touchpanels, allowing it to easily blend in with existing Extron technology in your facility. It is ideal for any AV application requiring a large, wall-mountable touchpanel with a fully customizable interface.

FEATURES

- 10" LCD touchscreen with 1024x600 resolution and 18-bit color depth
- Faster processing and more memory
- Compatible with all IP Link® Pro control processors
- Power over Ethernet allows the touchpanel to receive power and control over a single Ethernet cable, eliminating the need for a local power supply
- Built-in speakers with improved audio performance
- Light sensor adjusts screen brightness as the ambient room lighting changes

Model	Version Description	Part Number
TLP Pro 1020M	Black - Wall	60-1392-02
TLP Pro 1020M	White - Wall	60-1392-03

TLP Pro 1020T

10" Tabletop TouchLink Pro Touchpanel

The Extron TLP Pro 1020T is a 10" tabletop touchpanel with a high resolution, LCD touchscreen. As with all TouchLink Pro models, this new customizable touchpanel features faster processing and more memory. Power over Ethernet - PoE allows the touchpanel to receive power and communications over a single Ethernet cable. The TLP Pro 1020T features the same contemporary design as our legacy TouchLink touchpanels, allowing it to easily blend in with existing Extron technology in your facility. It is ideal for any AV application requiring a large, tabletop touchpanel with a fully customizable interface.

FEATURES

- 10" LCD touchscreen with 1024x600 resolution and 18-bit color depth
- Faster processing and more memory
- Compatible with all IP Link® Pro control processors
- Power over Ethernet allows the touchpanel to receive power and control over a single Ethernet cable, eliminating the need for a local power supply
- Built-in speakers with improved audio performance
- Light sensor adjusts screen brightness as the ambient room lighting changes

Model	Version Description	Part Number
TLP Pro 1020T	Black - Tabletop & VESA	60-1393-02

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TOUCHLINK PRO SERIES TOUCHPANELS

TLP Pro 720C

7" Cable Cubby TouchLink Pro Touchpanel

The Extron TLP Pro 720C is a 7" Cable Cubby touchpanel with a flip-up, LCD touchscreen. As with all TouchLink Pro models, this new customizable touchpanel features faster processing and more memory. Power over Ethernet - PoE allows the touchpanel to receive power and communications over a single Ethernet cable. The TLP Pro 720C is built into an all metal, cable cubby enclosure that can be mounted securely into a tabletop, lectern, or other flat surface. It is ideal for any AV application requiring a full-size, Cable Cubby touchpanel with a fully customizable interface.

FEATURES

- 7" flip-up LCD touchscreen with 800x480 resolution and 18-bit color depth
- Faster processing and more memory
- Compatible with all IP Link® Pro control processors
- Power over Ethernet allows the touchpanel to receive power and control over a single Ethernet cable, eliminating the need for a local power supply
- Built-in speaker with improved audio performance
- Cable Cubby design offers easy access to AV, data, and power connections

Model	Version Description	Part Number
TLP Pro 720C	Black - w/US AC Module	60-1396-020A
TLP Pro 720C	Black - w/o AC Module	60-1396-0200
TLP Pro 720C	Brushed Alum - w/o AC Module	60-1396-0210

TLP Pro 720M

7" Wall Mount TouchLink Pro Touchpanel

The Extron TLP Pro 720M is a 7" wall mount touchpanel with a high resolution, LCD touchscreen. As with all TouchLink Pro models, this new customizable touchpanel features faster processing and more memory. Power over Ethernet - PoE allows the touchpanel to receive power and communications over a single Ethernet cable. The TLP Pro 720M features the same contemporary design as our legacy TouchLink touchpanels, allowing it to easily blend in with existing Extron technology in your facility. It is ideal for any AV application requiring a full-size, wall-mountable touchpanel with a fully customizable interface.

FEATURES

- 7" LCD touchscreen with 800x480 resolution and 18-bit color depth
- Faster processing and more memory
- Compatible with all IP Link® Pro control processors
- Power over Ethernet allows the touchpanel to receive power and control over a single Ethernet cable, eliminating the need for a local power supply
- Built-in speaker with improved audio performance
- Light sensor adjusts screen brightness as the ambient room lighting changes

Model	Version Description	Part Number
TLP Pro 720M	Black - Wall	60-1394-02
TLP Pro 720M	White - Wall	60-1394-03

TLP Pro 720T

7" Tabletop TouchLink Pro Touchpanel

The Extron TLP Pro 720T is a 7" tabletop touchpanel with a high resolution, LCD touchscreen. As with all TouchLink Pro models, this new customizable touchpanel features faster processing and more memory. Power over Ethernet - PoE allows the touchpanel to receive power and communications over a single Ethernet cable. The TLP Pro 720T features the same contemporary design as our legacy TouchLink touchpanels, allowing it to easily blend in with existing Extron technology in your facility. It is ideal for any AV application requiring a full-size, tabletop touchpanel with a fully customizable interface.

FEATURES

- 7" LCD touchscreen with 800x480 resolution and 18-bit color depth
- Faster processing and more memory
- Compatible with all IP Link® Pro control processors
- Power over Ethernet allows the touchpanel to receive power and control over a single Ethernet cable, eliminating the need for a local power supply
- Built-in speaker with improved audio performance
- Light sensor adjusts screen brightness as the ambient room lighting changes

Model	Version Description	Part Number
TLP Pro 720T	Black - Tabletop & VESA	60-1395-02

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TOUCHLINK PRO SERIES TOUCHPANELS

TLP Pro 320C

3.5" Cable Cubby TouchLink Pro Touchpanel

The Extron TLP Pro 320C is a 3.5" Cable Cubby touchpanel with a flip-up, LCD touchscreen. As with all TouchLink Pro models, this new customizable touchpanel features faster processing and more memory. Power over Ethernet PoE allows the touchpanel to receive power and communications over a single Ethernet cable. The TLP Pro 320C is built into an all metal, cable cubby enclosure that can be mounted securely into a tabletop, lectern, or other flat surface. It is ideal for any AV application requiring a compact, Cable Cubby touchpanel with a fully customizable interface.

FEATURES

- 3.5" flip-up LCD touchscreen with 320x240 resolution and 18-bit color depth
- Faster processing and more memory
- Compatible with all IP Link® Pro control processors
- Power over Ethernet allows the touchpanel to receive power and control over a single Ethernet cable, eliminating the need for a local power supply
- Built-in speaker with improved audio performance
- Cable Cubby design offers easy access to AV, data, and power connections

Model	Version Description	Part Number
TLP Pro 320C	Black - w/US AC Module	60-1452-020A
TLP Pro 320C	Black - w/o AC Module	60-1452-0200
TLP Pro 320C	Brushed Alum - w/o AC Module	60-1452-0210

TLP Pro 320M

3.5" Wall Mount TouchLink Pro Touchpanel

The Extron TLP Pro 320M is a 3.5" wall mount touchpanel with an LCD touchscreen. As with all TouchLink Pro models, this new customizable touchpanel features faster processing and more memory. Power over Ethernet PoE allows the touchpanel to receive power and communications over a single Ethernet cable. The TLP Pro 320M features a sleek, rounded bezel that compliments the aesthetics in any AV environment. It is ideal for AV applications requiring a compact, wall-mountable touchpanel with a fully customizable interface.

FEATURES

- 3.5" LCD touchscreen with 320x240 resolution and 18-bit color depth
- Faster processing and more memory
- Compatible with all IP Link® Pro control processors
- Power over Ethernet allows the touchpanel to receive power and control over a single Ethernet cable, eliminating the need for a local power supply
- Built-in speaker with improved audio performance
- Light sensor adjusts screen brightness as the ambient room lighting changes

Model	Version Description	Part Number
TLP Pro 320M	Black & White Bezels - Wall	60-1451-02

TLI Pro 101

TouchLink Interface

The Extron TLI Pro 101 is a TouchLink Interface that allows a third party touchscreen display to be used as a point of control within an Extron Pro Series control system. This unique interface includes an HDMI input for video preview and a scaled HDMI output that supports displays from 800x600 to 1920x1200, as well as HDTV 1080p/60. Power over Ethernet - PoE allows the TLI Pro 101 to receive power and communications over a single Ethernet cable. The TLI Pro 101 works with any Extron IP Link® Pro control processor, enabling third party touchscreen devices to be used for complete, interactive control of conferencing systems, displays, switchers and source devices.

FEATURES

- Compatible with third party touchscreen displays up to 1080p/60
- Fast processing and ample memory
- Compatible with all IP Link® Pro control processors
- Power over Ethernet allows the interface to receive power and control over a single Ethernet cable, eliminating the need for a local power supply
- Supports HDMI for full-motion video preview and monitoring
- One high speed USB 2.0 port
- 1U, half rack width metal enclosure

Model	Version Description	Part Number
TLI Pro 101	TouchLink Interface	60-1083-01

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IP LINK PRO SERIES CONTROL PROCESSORS

IPCP Pro 550

IP Link Pro Control Processor

The Extron IPCP Pro 550 is a versatile, high-performance control processor designed to handle the complexity of larger, more advanced AV systems. As part of the new IP Link Pro Series, the IPCP Pro 550 is engineered to be faster and more secure in almost every way. With Gigabit Ethernet, users can now control, monitor, and troubleshoot equipment even quicker. In addition to faster network connectivity, it combines more power, speed and memory, while supporting the latest network security standards. The IPCP Pro 550 supports Extron LinkLicense™ that enables the use of third party devices as primary control interfaces.

FEATURES

- Ethernet monitoring and control
- Supports TouchLink® Pro touchpanels
- Supports LinkLicense
- Six bidirectional RS-232 ports with software handshaking
- Two bidirectional RS-232/RS-422/RS-485 serial ports with hardware and software handshaking
- Eight IR/Serial ports for one-way control of external devices
- Four Flex I/O ports

Model	Version Description	Part Number
IPCP Pro 550	IP Link Control Processor	60-1418-01
IPCP Pro 550	IP Link Control Processor w/LinkLicense	60-1418-01A

IPCP Pro 350

IP Link Pro Control Processor

The Extron IPCP Pro 350 is a versatile, high-performance control processor designed for use in medium to large size AV systems. As part of the new IP Link Pro Series, the IPCP Pro 350 is engineered to be faster and more secure in almost every way. With Gigabit Ethernet, users can now control, monitor, and troubleshoot equipment even quicker. In addition to faster network connectivity, it combines more power, speed and memory, while supporting the latest network security standards. The IPCP Pro 350 supports Extron LinkLicense™ that enables the use of third party devices as primary control interfaces.

FEATURES

- Ethernet monitoring and control
- Supports TouchLink® Pro touchpanels
- Supports LinkLicense
- Two bidirectional RS-232 ports with software handshaking
- One bidirectional RS-232/RS-422/RS-485 serial port with hardware and software handshaking
- Two IR/Serial ports for one-way control of external devices
- Four Digital I/O ports

Model	Version Description	Part Number
IPCP Pro 350	IP Link Control Processor	60-1417-01
IPCP Pro 350	IP Link Control Processor w/LinkLicense	60-1417-01A

IPCP Pro 250

IP Link Pro Control Processor

The Extron IPCP Pro 250 is a versatile, high-performance control processor designed for centralized AV control in small to medium size applications. As part of the new IP Link Pro Series, the IPCP Pro 250 is engineered to be faster and more secure in almost every way. With Gigabit Ethernet, users can now control, monitor, and troubleshoot equipment even quicker. In addition to faster network connectivity, it combines more power, speed and memory, while supporting the latest network security standards. The IPCP Pro 250 supports Extron LinkLicense™ that enables the use of third party devices as primary control interfaces.

FEATURES

- Ethernet monitoring and control
- Supports TouchLink® Pro touchpanels
- Supports LinkLicense
- One bidirectional RS-232 port with software handshaking
- One bidirectional RS-232/RS-422/RS-485 serial port with hardware and software handshaking
- One IR/Serial port for one-way control of external devices
- Four Digital I/O ports

Model	Version Description	Part Number
IPCP Pro 250	IP Link Control Processor	60-1429-01
IPCP Pro 250	IP Link Control Processor w/LinkLicense	60-1429-01A

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IP LINK PRO SERIES CONTROL PROCESSORS

IPL Pro S6

IP Link Pro Control Processor

The Extron IPL Pro S6 is a compact, high-performance control processor featuring six bidirectional serial ports. It is designed for stand-alone use or as a secondary control processor in larger, more elaborate systems when combined with Global Configurator Professional and an IPCP Pro control processor. As part of the new IP Link Pro Series, the IPL Pro S6 is engineered to be faster and more secure in almost every way. With Gigabit Ethernet, users can now control, monitor, and troubleshoot equipment even quicker. In addition to faster network connectivity, it combines more power, speed and memory, while supporting the latest network security standards.

FEATURES

- Ethernet monitoring and control
- Supports TouchLink® Pro touchpanels
- Five bidirectional RS-232 ports with software handshaking
- One bidirectional RS-232/RS-422/RS-485 serial port with hardware and software handshaking
- Power over Ethernet allows the control processor to receive power and control over a single Ethernet cable, eliminating the need for a local power supply
- Supports 10/100/1000 Base-T
- 1U, quarter rack width metal enclosure

Model	Version Description	Part Number
IPL Pro S6	Six Serial Ports	60-1414-01

IPL Pro S3

IP Link Pro Control Processor

The Extron IPL Pro S3 is a compact, high-performance control processor featuring three bidirectional serial ports. It is designed for stand-alone use or as a secondary control processor in medium size AV systems when combined with Global Configurator Professional and an IPCP Pro control processor. As part of the new IP Link Pro Series, the IPL Pro S3 is engineered to be faster and more secure in almost every way. With Gigabit Ethernet, users can now control, monitor, and troubleshoot equipment even quicker. In addition to faster network connectivity, it combines more power, speed and memory, while supporting the latest network security standards.

FEATURES

- Ethernet monitoring and control
- Supports TouchLink® Pro touchpanels
- Two bidirectional RS-232 ports with software handshaking
- One bidirectional RS-232/RS-422/RS-485 serial port with hardware and software handshaking
- Power over Ethernet allows the control processor to receive power and control over a single Ethernet cable, eliminating the need for a local power supply
- Supports 10/100/1000 Base-T
- 1U, quarter rack width metal enclosure

Model	Version Description	Part Number
IPL Pro S3	Three Serial Ports	60-1413-01

IPL Pro S1

IP Link Pro Control Processor

The Extron IPL Pro S1 is a compact, high-performance control processor with one bidirectional serial port. It is designed for stand-alone use in a small to medium size AV system. It can also be used as a secondary control processor in a larger system when combined with Global Configurator Professional and an IPCP Pro control processor. As part of the new IP Link Pro Series, the IPL Pro S1 is engineered to be faster and more secure in almost every way. With Gigabit Ethernet, users can now control, monitor, and troubleshoot equipment even quicker. In addition to faster network connectivity, it combines more power, speed and memory, while supporting the latest network security standards.

FEATURES

- Ethernet monitoring and control
- Supports TouchLink® Pro touchpanels
- One bidirectional RS-232 port with software handshaking
- Power over Ethernet allows the control processor to receive power and control over a single Ethernet cable, eliminating the need for a local power supply
- Supports 10/100/1000 Base-T
- Supports Ethernet-controllable devices
- Supports industry standard communications protocols
- Low-profile form factor housed in a 1" high, quarter rack width metal enclosure

Model	Version Description	Part Number
IPL Pro S1	One Serial Port	60-1412-01

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IP LINK POWER CONTROLLER

PC 101

AC Power Controller

The Extron PC 101 is a one input, one output AC power controller designed to provide remote power management for AV devices. When paired with a controller or control processor equipped with relays, such as the MediaLink MLC 226 IP or IP Link IPL 250, the PC 101 can be configured to turn a device ON or OFF at scheduled times for security and energy savings purposes. It features a contact closure control input and tally output which can be used for visual feedback. The slim, compact form factor and IEC connectors on pigtails enable convenient in-line use with other devices and discreet mounting behind displays or other equipment. The PC 101 has a power rating of 100-240 VAC, 50/60 Hz, allowing for worldwide compatibility.

FEATURES

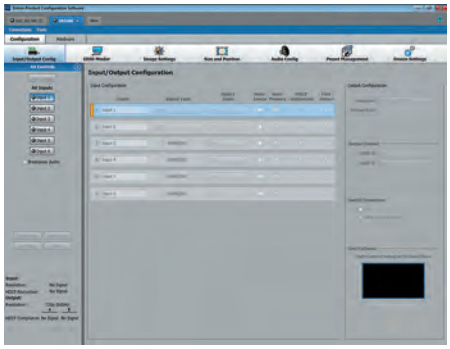
- Provides remote power management for AV devices
- One contact closure control input
- Worldwide power compatibility
- IEC to US Edison adapter included
- Circuit breaker adds over-current protection for remotely controlled connected devices
- One tally output provides real-time power status
- Front panel recessed test switch for manual power cycling, testing, and setup
- Front and back panel LEDs for at-a-glance status of PC 101 and attached devices
- 1" (2.5 cm) high, quarter rack width metal enclosure

Model	Version Description	Part Number
PC 101	100-240 VAC	60-1378-01

CONFIGURATION SOFTWARE

PCS

Product Configuration Software



PCS product configuration software combines multiple standalone product configuration modules in a single software application. Each configuration screen is designed with a consistent look and feel while product tabs along the top of the screen allow users to quickly choose between all open product configurations. With this time-saving software, many Extron products can be configured via Ethernet or USB from one interface. In each new version of PCS, newly-compatible product modules will be included as part of the download. As with all Extron software, PCS is configuration-based and does not require programming knowledge.

FEATURES

- Configure multiple standalone products at once from the same software application
- Software includes modules for the DTP T USW 233, DSC 301 HD, IN1606, IN1608 Series, HDMI DA Series, and SW HDMI Series, with many more to come
- All modules have same look and feel for consistency
- Supports devices with Ethernet or USB connectivity
- Easily backup and restore to one or more devices using Ethernet or USB
- Tabs allow multiple devices to be accessed and configured in the same session

Model	Version Description	Part Number
PCS	Product Configuration Software	79-562-01

Please refer to www.extron.com/pcsw for the full list of supported products.

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Extron

DTP SYSTEMS

DTP CrossPoint 84

8x4 Scaling Presentation Matrix Switchers with DTP Extension

The Extron DTP CrossPoint® 84 is an 8x4 matrix switcher with HDMI and DTP twisted pair inputs and outputs, together with scaling, power amplification, and comprehensive audio DSP. The DTP CrossPoint 84 provides a complete, powerful AV integration solution for presentation environments requiring multiple displays and sound reinforcement. It supports local and remote sources and displays with six HDMI inputs and two DTP inputs, and two HDMI outputs and two DTP outputs. Integrated DTP extension allows connection to DTP 330 and DTP 230 endpoints as well as HDBaseT-equipped displays, each over a single CATx cable up to 330 feet (100 meters). The DTP CrossPoint 84 can also be integrated into an XTP System to add localized AV distribution in a room. Each DTP output also includes independent high resolution scaling up to 1080p and 2K. Full audio optimization is available with an integrated digital audio matrix processor featuring Extron ProDSP, which can be linked to an Extron DMP 128 processor for expanding I/O capacity.

FEATURES

- All-in-one 8x4 matrix switcher, scaler, audio DSP, and power amplifier
- Two DTP inputs and six HDMI inputs
- Two HDMI outputs and two scaled DTP outputs
- Integrated DTP inputs and outputs support transmission of video, control, and audio up to 330 feet (100 meters) over a single CATx cable
- Supports 4K and UHD signals at all inputs and HDMI outputs
- Selectable output rates from 640x480 to 1920x1200, including HDTV 1080p/60 and 2K
- Compatible with DTP 230 Series and DTP 330 Series, plus XTP Systems®
- DTP outputs are compatible with HDBaseT-enabled devices
- Compatible with CAT 5e, CAT 6, and CAT 7 twisted pair cable
- Extron XTP DTP 24 Shielded Twisted Pair cable provides added protection from outside interference and ensures high quality signal transmission
- Remote powering of DTP transmitters and receivers
- RS-232 insertion from the Ethernet control port
- Bidirectional RS-232 and IR insertion for AV device control
- HDMI audio embedding
- HDMI audio de-embedding
- Output volume control
- Audio input gain and attenuation
- Audio breakaway
- S/PDIF audio output
- Integrated digital audio matrix processor with ProDSP™ 32/64-bit signal processing
- Digital audio expansion port provides interfacing to an Extron DMP 128 processor for AEC and audio system scalability
- Four mic/line inputs with 48 volt phantom power
- Mic ducking
- DSP Configurator™ Software
- Available with energy efficient Class D stereo or mono amplifier:
  2 x 50 watts @ 4 ohms
  2 x 25 watts @ 8 ohms
  1 x 100 watts @ 70 volts
- HDCP compliant
- Key Minder® continuously verifies HDCP compliance for quick, reliable switching
- EDID Minder® automatically manages EDID communication between connected devices
- SpeedSwitch® Technology provides exceptional switching speed for HDCP-encrypted content
- Ethernet monitoring and control
- Built-in Web pages
- RS-232 control port
- Front panel USB configuration port
- Rack-mountable 2U, full rack width metal enclosure

DTP CrossPoint 84 SA

DTP CrossPoint 84 MA 70

DTP SYSTEMS

4K UHD

Receive a FREE IPL 250 or IPCP Pro 350 control processor with every DTP CrossPoint 84

Model	Version Description	Part Number
DTP CrossPoint 84 SA	2 x 50 Watt Stereo Amp	60-1368-02
DTP CrossPoint 84 MA 70	100 Watt 70 Volt Mono Amp	60-1368-03

Compatible with all Extron DTP 230 and DTP 330 Transmitters and Receivers

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DTP SYSTEMS

DTP T HWP 232 D

Two Input DTP Transmitter for HDMI - Decora® Wallplate

The Extron DTP T HWP 232 D is a two input Decora®-style transmitter for sending HDMI, audio, and control up to 230 feet (70 meters) over a single CATx cable to an Extron DTP 230 receiver. It is HDCP compliant and provides two HDMI inputs, both with independent stereo audio connections. The transmitter also offers many integrator-friendly features such as EDID Minder®, auto-switching between inputs, remote power capability, and bidirectional RS-232 and IR pass-through for remote AV device control. The wall-mountable design of the DTP T HWP 232 D provides the convenience of placing input connections precisely where they are needed.

FEATURES

- Transmits HDMI, control, and analog audio up to 230 feet (70 meters) over a single CATx cable
- Auto-switching between inputs
- Supports computer-video to 1920x1200, including HDTV 1080p/60 Deep Color and 2K
- Compatible with CAT 5e, CAT 6, and CAT 7 twisted pair cable
- Independent analog audio inputs
- Remote power capability
- EDID Minder®
- RS-232 control port
- Contact closure control port

Model	Version Description	Part Number
DTP T HWP 232 D	Two Input Decora Transmitter - Black	60-1365-12
DTP T HWP 232 D	Two Input Decora Transmitter - White	60-1365-13

DTP T UWP 232 D

Two Input DTP Transmitter for HDMI and VGA - Decora® Wallplate

The Extron DTP T UWP 232 D is a two input Decora®-style transmitter for sending HDMI or analog video, audio, and control up to 230 feet (70 meters) over a single CATx cable to an Extron DTP 230 receiver. The transmitter provides one HDMI input and one RGBHV or component video input, both with independent stereo audio connections. Integrator-friendly features include EDID Minder®, auto-switching between inputs, remote power capability, and bidirectional RS-232 and IR pass-through for remote AV device control. The wall-mountable design of the DTP T UWP 232 D provides the convenience of placing input connections precisely where they are needed.

FEATURES

- Transmits HDMI or analog video, control, and analog audio up to 230 feet (70 meters) over a single CATx cable
- Auto-switching between inputs
- Supports computer-video to 1920x1200, including HDTV 1080p/60 Deep Color and 2K
- Compatible with CAT 5e, CAT 6, and CAT 7 twisted pair cable
- Independent analog audio inputs
- Remote power capability
- EDID Minder®
- RS-232 control port
- Contact closure control port

Model	Version Description	Part Number
DTP T UWP 232 D	Two Input Decora Transmitter - Black	60-1366-12
DTP T UWP 232 D	Two Input Decora Transmitter - White	60-1366-13

DTP T USW 233

Three Input Switcher with Integrated DTP Transmitter

The Extron DTP T USW 233 is a three input switcher for sending HDMI or analog video, audio, and control up to 230 feet (70 meters) over a single CATx cable to an Extron DTP 230 receiver. It is HDCP compliant and provides two HDMI inputs, one RGBHV or component video input, and one DTP 230 twisted pair output. The switcher also offers many integrator-friendly features such as EDID Minder®, auto-switching between inputs, audio input assignment, and remote power capability. These features plus the low profile enclosure make the DTP T USW 233 ideal for discreet placement in lecterns, beneath tables, or where needed to meet application requirements.

FEATURES

- Transmits HDMI or analog video, control, and analog audio up to 230 feet (70 meters) over a single CATx cable
- Auto-switching between inputs
- Supports computer-video to 1920x1200, including HDTV 1080p/60 Deep Color and 2K
- Compatible with CAT 5e, CAT 6, and CAT 7 twisted pair cable
- Remote power capability
- EDID Minder®
- RS-232 control port
- Contact closure remote control with tally output

Model	Version Description	Part Number
DTP T USW 233	Three Input Switcher w/ DTP Transmitter	60-1329-12

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DTP SYSTEMS

DTP DVI 330

Long Distance DVI Twisted Pair Extender

The Extron DTP DVI 330 is a transmitter and receiver set for long distance transmission of DVI-D video, audio, and bidirectional RS-232 and IR signals over a single CATx cable. It provides an effective means for extending single link DVI-D or HDMI signals. In addition, the DTP DVI 330 accepts analog stereo audio signals for simultaneous transmission over the same twisted pair cable. It is capable of sending 1920x1200, 1080p/60 Deep Color, and 2K signals up to 330 feet (100 meters). The transmitter is equipped with a buffered DVI loop-through output to support a local computer monitor. The compact enclosure sizes and remote power capability make the DTP DVI 330 ideal for discreet placement in lecterns, behind tables, or where needed to meet application requirements.

FEATURES

- Transmits single link DVI-D plus control and analog audio up to 330 feet (100 meters) over a single CATx cable
- Supports computer-video to 1920x1200, HDTV 1080p/60 Deep Color, UHD, and 4K resolutions
- Compatible with CAT 5e, CAT 6, and CAT 7 twisted pair cable
- Extron XTP DTP 24 Shielded Twisted Pair cable provides added protection from outside interference and ensures high quality signal transmission
- Accepts additional analog stereo audio signals
- DVI input loop-through
- Remote power capability

DTP DVI 330 Tx DTP DVI 330 Rx

4K UHD

Model	Version Description	Part Number
DTP DVI 330 Tx	DVI Transmitter	60-1360-12
DTP DVI 330 Rx	DVI Receiver	60-1360-13

DTP HDMI 330 D

Long Distance HDMI Twisted Pair Extender - Decora® Wallplate

The Extron DTP HDMI 330 D is a Decora®-style transmitter and receiver set for long distance transmission of HDMI, audio, and bidirectional RS-232 and IR signals over a single CATx cable. It provides an effective means for extending HDMI with embedded multi-channel audio from HDMI-equipped devices. In addition, the DTP HDMI 330 D accepts analog stereo audio signals for simultaneous transmission over the same twisted pair cable. It is capable of sending 1080p/60 Deep Color, 1920x1200, and 2K signals up to 330 feet (100 meters). The wall-mountable design and remote power capability of the DTP HDMI 330 D provide the convenience of placing input connections precisely where they are needed.

FEATURES

- Transmits HDMI plus control and analog audio up to 330 feet (100 meters) over a single CATx cable
- Supports computer-video to 1920x1200, HDTV 1080p/60 Deep Color, UHD, and 4K resolutions
- Compatible with CAT 5e, CAT 6, and CAT 7 twisted pair cable
- Extron XTP DTP 24 Shielded Twisted Pair cable provides added protection from outside interference and ensures high quality signal transmission
- Accepts additional analog stereo audio signals
- Supported HDMI specification features include data rates up to 6.75 Gbps, Deep Color up to 12-bit, 3D, HD lossless audio formats, and CEC pass-through
- HDCP compliant
- Remote power capability

DTP HDMI 330 D Tx DTP HDMI 330 D Rx

4K UHD

Model	Version Description	Part Number
DTP HDMI 330 D Tx	Decora Transmitter - Black	60-1464-12
DTP HDMI 330 D Tx	Decora Transmitter - White	60-1464-13
DTP HDMI 330 D Rx	Decora Receiver - Black	60-1464-22
DTP HDMI 330 D Rx	Decora Receiver - White	60-1464-23

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DTP SYSTEMS

DTP T HWP 332 D

Long Distance Two Input DTP Transmitter for HDMI - Decora® Wallplate

The Extron DTP T HWP 332 D is a two input Decora®-style transmitter for sending HDMI, audio, and control up to 330 feet (100 meters) over a single CATx cable to an Extron DTP 330 receiver. It is HDCP compliant and provides two HDMI inputs, both with independent stereo audio connections. The transmitter also offers many integrator-friendly features such as EDID Minder®, auto-switching between inputs, remote power capability, and bidirectional RS-232 and IR pass-through for remote AV device control. The wall-mountable design of the DTP T HWP 332 D provides the convenience of placing input connections precisely where they are needed.

FEATURES

- Transmits HDMI, control, and analog audio up to 330 feet (100 meters) over a single CATx cable
- Auto-switching between inputs
- Supports computer-video to 1920x1200, including HDTV 1080p/60 Deep Color and 2K
- Compatible with CAT 5e, CAT 6, and CAT 7 twisted pair cable
- Independent analog audio inputs
- Remote power capability
- EDID Minder®
- RS-232 control port
- Contact closure control port

Model	Version Description	Part Number
DTP T HWP 332 D	Two Input Decora Transmitter - Black	60-1365-52
DTP T HWP 332 D	Two Input Decora Transmitter - White	60-1365-53

DTP T UWP 332 D

Long Distance Two Input DTP Transmitter for HDMI and VGA - Decora® Wallplate

The Extron DTP T UWP 332 D is a two input Decora®-style transmitter for sending HDMI or analog video, audio, and control up to 330 feet (100 meters) over a single CATx cable to an Extron DTP 330 receiver. The transmitter provides one HDMI input and one RGBHV or component video input, both with independent stereo audio connections. Integrator-friendly features include EDID Minder®, auto-switching between inputs, remote power capability, and bidirectional RS-232 and IR pass-through for remote AV device control. The wall-mountable design of the DTP T UWP 332 D provides the convenience of placing input connections precisely where they are needed.

FEATURES

- Transmits HDMI or analog video, control, and analog audio up to 330 feet (100 meters) over a single CATx cable
- Auto-switching between inputs
- Supports computer-video to 1920x1200, including HDTV 1080p/60 Deep Color and 2K
- Compatible with CAT 5e, CAT 6, and CAT 7 twisted pair cable
- Independent analog audio inputs
- Remote power capability
- EDID Minder®
- RS-232 control port
- Contact closure control port

Model	Version Description	Part Number
DTP T UWP 332 D	Two Input Decora Transmitter - Black	60-1366-52
DTP T UWP 332 D	Two Input Decora Transmitter - White	60-1366-53

DTP T USW 333

Three Input Switcher with Integrated Long Distance DTP Transmitter

The Extron DTP T USW 333 is a three input switcher for sending HDMI or analog video, audio, and control up to 330 feet (100 meters) over a single CATx cable to an Extron DTP 330 receiver. It is HDCP compliant and provides two HDMI inputs, one RGBHV or component video input, and one DTP 230 twisted pair output. The switcher also offers many integrator-friendly features such as EDID Minder®, auto-switching between inputs, audio input assignment, and remote power capability. These features plus the low profile enclosure make the DTP T USW 333 ideal for discreet placement in lecterns, beneath tables, or where needed to meet application requirements.

FEATURES

- Transmits HDMI or analog video, control, and analog audio up to 330 feet (100 meters) over a single CATx cable
- Auto-switching between inputs
- Supports computer-video to 1920x1200, including HDTV 1080p/60 Deep Color and 2K
- Compatible with CAT 5e, CAT 6, and CAT 7 twisted pair cable
- Remote power capability
- EDID Minder®
- RS-232 control port
- Contact closure remote control with tally output

Model	Version Description	Part Number
DTP T USW 333	Three Input Switcher w/ DTP Transmitter	60-1329-52

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XTP SYSTEMS

XTP CrossPoint 1600 Series

Modular Digital Matrix Switchers from 4x4 to 16x16 with SpeedSwitch Technology

The Extron XTP CrossPoint® 1600 provides flexible, reliable digital and analog video switching and distribution between local and remote endpoints. This modular matrix switcher is configurable from 4x4 up to 16x16 using a wide variety of available input and output boards. It sends high-resolution video, audio, RS-232, Ethernet, and power up to 330 feet (100 m) over a single CATx cable to remote XTP® transmitters and receivers. The XTP CrossPoint 1600 also supports direct HDMI, DVI, VGA, video, and audio connections to local sources and displays. XTP Systems® deliver robust signal routing and reliability with ultra-fast digital video switching and advanced system monitoring.

FEATURES

- Available in I/O sizes from 4x4 to 16x16
- 15.2 Gbps data-rate digital backplane
- Compatible with all XTP integrated system products
- Fully digital signal routing
- Wide selection of input and output boards
- RS-232 insertion from the Ethernet control port
- Remote power to XTP transmitters and receivers
- Supported HDMI specification features include data rates up to 6.75 Gbps, Deep Color up to 12-bit, 3D, and HD lossless audio formats
- HDCP compliant
- SpeedSwitch® Technology provides exceptional switching speed for HDCP-encrypted content
- SD Pro processing provides deinterlacing of standard definition video
- EDID Minder® automatically manages EDID communication between connected devices
- Key Minder® continuously verifies HDCP compliance for quick, reliable switching
- Automatic color bit depth management
- HDMI to DVI Interface Format Correction
- Modular, field-upgradeable and hot-swappable design
- Audio breakaway
- Ethernet extension
- HDCP authentication and signal presence confirmation via RS-232 or Ethernet
- HDCP Visual Confirmation provides a green signal when encrypted content is sent to a non-compliant display
- Ethernet monitoring and control
- Optional redundant power supply

XTP SYSTEMS

4K UHD READY

Model	Version Description	Part Number
XTP CrossPoint 1600 Frame	5U, 8-slot Frame	Call
XTP CrossPoint 1600 Frame w/RPS	5U, 8-slot Frame w/redundant power	Call

XTP CrossPoint 3200 Series

Modular Digital Matrix Switchers from 4x4 to 32x32 with SpeedSwitch Technology

The Extron XTP CrossPoint® 3200 provides flexible, reliable digital and analog video switching and distribution between local and remote endpoints. This modular matrix switcher is configurable from 4x4 up to 32x32 using a wide variety of available input and output boards. It sends high-resolution video, audio, RS-232, and Ethernet up to 330 feet (100 m) over a single CATx cable to remote XTP® transmitters and receivers. The XTP CrossPoint 3200 also supports direct HDMI, DVI, VGA, video, and audio connections to local sources and displays. XTP Systems® deliver robust signal routing and reliability with ultra-fast digital video switching and advanced system monitoring.

FEATURES

- Available in I/O sizes from 4x4 to 32x32
- 15.2 Gbps data-rate digital backplane
- Compatible with all XTP integrated system products
- Fully digital signal routing
- Wide selection of input and output boards
- RS-232 insertion from the Ethernet control port
- Remote power to XTP transmitters and receivers
- Supported HDMI specification features include data rates up to 6.75 Gbps, Deep Color up to 12-bit, 3D, and HD lossless audio formats
- HDCP compliant
- SpeedSwitch® Technology provides exceptional switching speed for HDCP-encrypted content
- SD Pro processing provides deinterlacing of standard definition video
- EDID Minder® automatically manages EDID communication between connected devices
- Key Minder® continuously verifies HDCP compliance for quick, reliable switching
- Automatic color bit depth management
- HDMI to DVI Interface Format Correction
- Modular, field-upgradeable and hot-swappable design
- Audio breakaway
- Ethernet extension
- HDCP authentication and signal presence confirmation via RS-232 or Ethernet
- HDCP Visual Confirmation provides a green signal when encrypted content is sent to a non-compliant display
- Ethernet monitoring and control
- Redundant power supply

XTP SYSTEMS

4K UHD READY

Model	Version Description	Part Number
XTP CrossPoint 3200 Frame	10U, 16-slot Frame	Call

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XTP SYSTEMS

XTP CP I/O Boards

XTP Transmitter and Receiver Boards with RS-232 and IR Insertion

XTP CP 4i DMA

The Extron XTP CP Input and Output Boards enable long distance transmission of AV signals between the XTP CrossPoint® matrix switcher and remote XTP® transmitters and receivers. They can send video, audio, control, Ethernet, and power up to 330 feet (100 m) over a single CATx cable. The XTP CP boards are HDCP compliant, and support 1080p/60 Deep Color and 1920x1200 signals. Audio signals can be routed independently, including embedded HDMI audio, with one model also providing simultaneous multi-channel audio downmixing to two-channel PCM stereo audio for separate distribution. To streamline integration, the boards enable Ethernet extension and bidirectional RS-232 and IR insertion for LAN access and AV device control at remote endpoints.

FEATURES

- Supports computer-video to 1920x1200, including HDTV 1080p/60 Deep Color and 2K
- Compatible with all XTP integrated system products
- Bidirectional RS-232 and IR insertion for AV device control
- Compatible with CAT 5e, CAT 6, and CAT 7 twisted pair cable
- Extron XTP DTP 24 Shielded Twisted Pair cable provides added protection from outside interference and ensures high quality signal transmission
- HDCP compliant
- SpeedSwitch® Technology provides exceptional switching speed for HDCP-encrypted content
- EDID Minder® automatically manages EDID communication between connected devices
- Key Minder® continuously verifies HDCP compliance for quick, reliable switching
- Ethernet extension
- Remote power to XTP transmitters and receivers

Model	Version Description	Part Number
XTP CP 4i DMA	Four Input Board, XTP - Downmixing Audio. . . .	70-940-02

XTP CP HDMI I/O Boards

HDMI Input and Output Boards with Analog Stereo Audio

XTP CP 4i HDMI DMA

The Extron XTP CP HDMI Input and Output Boards support HDMI and separate analog stereo audio signals. They provide the capability to connect local HDMI sources and output devices to XTP Systems®. The XTP® boards are HDCP-compliant, and support 1080p/60 Deep Color and 1920x1200 signals. Audio signals can be routed independently, including embedded HDMI audio, with one XTP CP HDMI model also providing simultaneous multi-channel audio downmixing to two-channel PCM stereo audio for separate distribution.

FEATURES

- Supports computer-video to 1920x1200, including HDTV 1080p/60 Deep Color and 2K
- Compatible with all XTP integrated system products
- HDCP compliant
- SpeedSwitch® Technology provides exceptional switching speed for HDCP-encrypted content
- EDID Minder® automatically manages EDID communication between connected devices
- Key Minder® continuously verifies HDCP compliance for quick, reliable switching
- Local analog stereo audio inputs and outputs
- Output volume control
- Automatic cable equalization
- Automatic output reclocking
- Provides +5 VDC, 250 mA power on HDMI outputs for external peripheral devices

Model	Version Description	Part Number
XTP CP 4i HDMI DMA	Four Input Board, HDMI-Downmixing Audio. . . .	70-685-12

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XTP SYSTEMS

XTP T UWP 202

Two Input XTP Transmitter - Decora® Wallplate

The XTP T UWP 202 is a two-input transmitter for sending HDMI or RGBHV video, audio, bidirectional RS-232 and IR, and Ethernet up to 330 feet (100 m) over a single CATx cable. It digitizes incoming analog video for reliable display on a variety of output devices. The XTP® transmitter is HDCP compliant, and supports 1080p/60 Deep Color and 1920x1200 signals. It also allows Ethernet extension for LAN access. The XTP T UWP 202 transmitter works with XTP Systems® for signal distribution and long-distance transmission between remote endpoints.

FEATURES

- Transmits HDMI or digitized analog video, audio, bidirectional RS-232 and IR, and Ethernet up to 330 feet (100 m) over a single CATx cable
- HDMI and VGA inputs
- Supports computer-video to 1920x1200, including HDTV 1080p/60 Deep Color and 2K
- Compatible with CAT 5e, CAT 6, and CAT 7 twisted pair cable
- Extron XTP DTP 24 Shielded Twisted Pair cable provides added protection from outside interference and ensures high quality signal transmission
- Auto-switching between inputs
- Supported HDMI specification features include data rates up to 6.75 Gbps, Deep Color up to 12-bit, 3D, HD lossless audio formats, and CEC pass-through
- HDCP compliant
- EDID Minder® automatically manages EDID communication between connected devices
- Key Minder® continuously verifies HDCP compliance for quick, reliable switching
- Ethernet extension
- Remote power capability
- Supports multiple embedded audio formats
- RS-232 control
- Selectable analog stereo audio input embedding
- Audio input gain and attenuation
- Supports EDID and HDCP transmission
- LED indicators for signal presence, HDCP, and power
- RJ-45 signal and link status LED indicator for XTP port
- Compatible with all XTP integrated system products

Model	Version Description	Part Number
XTP T UWP 202	2 Input Decora Transmitter Black	60-1216-12
XTP T UWP 202	2 Input Decora Transmitter White	60-1216-13

XTP T UWP 302

Two Input XTP Transmitter Wallplate

The XTP T UWP 302 is a two-input transmitter that sends HDMI or RGBHV video, audio, and bidirectional RS-232 and IR up to 330 feet (100 m) over a single CATx cable. This three-gang wallplate transmitter supports computer-video to 1920x1200, including HDTV 1080p/60 Deep Color and 2K. Incoming analog video signals are digitized for reliable transmission, and separate analog stereo audio transmissions can be embedded on the XTP® signal. Features include automatic switching between inputs with selectable prioritization for easy operation in unmanaged locations and insertion of bidirectional RS-232 and IR for control of remote devices. Designed for XTP Systems®, it can be powered by an XTP CrossPoint® matrix switcher. The XTP T UWP 302 fits into a standard three-gang junction box, providing convenient access while blending into an environment.

FEATURES

- Mounts in a standard three-gang junction box
- Transmits HDMI or digitized analog video, audio, and bidirectional RS-232 and IR up to 330 feet (100 m) over a single CATx cable
- HDMI and VGA inputs
- Supports computer-video to 1920x1200, including HDTV 1080p/60 Deep Color and 2K
- Compatible with CAT 5e, CAT 6, and CAT 7 twisted pair cable
- Extron XTP DTP 24 Shielded Twisted Pair cable provides added protection from outside interference and ensures high quality signal transmission
- Remote power capability

Model	Version Description	Part Number
XTP T UWP 302	2 Input Wallplate Transmitter Black	60-1358-12
XTP T UWP 302	2 Input Wallplate Transmitter White	60-1358-13

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XTP SYSTEMS

XTP T VGA

Universal XTP Transmitter for VGA

The Extron XTP T VGA is a universal XTP® transmitter that sends multi-format analog video, audio, control, and Ethernet up to 330 feet (100 m) over a single CATx cable. It digitizes all incoming analog formats and applies SD Pro processing to deinterlace 480i and 576i video signals for reliable display on a variety of output devices. To simplify integration, the XTP transmitter features VGA loop-through for source monitoring. It also allows Ethernet extension and insertion of bidirectional RS-232 and IR for LAN access and AV device control at remote locations. The XTP T VGA transmitter works with XTP Systems® for signal distribution and long-distance transmission to remote endpoints.

FEATURES

- Transmits digitized analog video, audio, bidirectional RS-232 and IR, and Ethernet up to 330 feet (100 m) over a single CATx cable
- Supports computer-video to 1920x1200, including HDTV 1080p/60
- Supports RGB, HD component video, S-video, and composite video signals
- Compatible with CAT 5e, CAT 6, and CAT 7 twisted pair cable
- Extron XTP DTP 24 Shielded Twisted Pair cable provides added protection from outside interference and ensures high quality signal transmission
- SD Pro processing provides deinterlacing of standard definition video
- Digital conversion of analog video formats
- Auto input format detection
- Universal 15-pin HD input loop-through
- Bidirectional RS-232 and IR insertion for AV device control
- EDID Minder® automatically manages EDID communication between connected devices
- Ethernet extension
- Remote power capability
- Audio input gain and attenuation
- Supports EDID and HDCP transmission
- Comprehensive, LED indicators for signal format, presence, and power
- RJ-45 signal and link status LED indicator for XTP port
- Compatible with all XTP integrated system products

Model	Version Description	Part Number
XTP T VGA	Universal XTP VGA Transmitter	60-1231-12

XTP T FB 202

Two Input XTP Transmitter for Floor Boxes

The Extron XTP T FB 202 is a two-input transmitter that sends HDMI or RGBHV video, audio, control, and Ethernet up to 330 feet (100 m) over a single CATx cable. The XTP® transmitter is compatible with floor boxes from OBO Bettermann, MK by Honeywell, Electraplan, and PUK. It supports computer-video to 1920x1200, including HDTV 1080p/60 Deep Color and 2K. Incoming analog signals are digitized for reliable transmission, and separate analog stereo audio can be embedded onto the output signal. For easy operation in unmanaged locations, the transmitter features automatic switching between inputs with selectable prioritization and allows Ethernet extension and insertion of bidirectional RS-232 and IR for LAN access and remote AV device control. Designed for XTP Systems®, the XTP T FB 202 can be powered by the XTP CrossPoint® matrix switcher.

FEATURES

- Designed to mount in European floor boxes
- Transmits HDMI or digitized analog video, audio, bidirectional RS-232 and IR, and Ethernet up to 330 feet over a single CATx cable
- HDMI and VGA inputs
- Supports computer-video to 1920x1200, including HDTV 1080p/60 Deep Color and 2K
- Compatible with CAT 5e, CAT 6, and CAT 7 twisted pair cable
- Extron XTP DTP 24 Shielded Twisted Pair cable provides added protection from outside interference and ensures high quality signal transmission
- Remote power capability

Model	Version Description	Part Number
XTP T FB 202	2 Input XTP Transmitter for Floor Boxes	60-1383-12

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XTP SYSTEMS

XTP T EU 202

Two Input XTP Transmitter for EU Junction Boxes

The Extron XTP T EU 202 is a compact, two-input transmitter that sends HDMI or RGBHV video, audio, and control up to 330 feet (100 m) over a single CATx cable. The XTP® transmitter is compatible with a variety of European junction boxes for convenient installation in wall-mount environments. It supports computer-video to 1920x1200, including HDTV 1080p/60 Deep Color and 2K. Incoming analog video signals are digitized for reliable transmission, and separate analog stereo audio transmissions can be embedded onto the output signal. Features include automatic switching between inputs with selectable prioritization and insertion of bidirectional RS-232 and IR to enable remote AV device control. Designed for XTP Systems®, the XTP T EU 202 can be remotely powered by the XTP CrossPoint® matrix switcher.

FEATURES

- Designed to mount in a standard two-gang European junction box
- Transmits HDMI or digitized analog video, audio, and bidirectional RS-232 and IR up to 330 feet over a single CATx cable
- HDMI and VGA inputs
- Supports computer-video to 1920x1200, including HDTV 1080p/60 Deep Color and 2K
- Compatible with CAT 5e, CAT 6, and CAT 7 twisted pair cable
- Extron XTP DTP 24 Shielded Twisted Pair cable provides added protection from outside interference and ensures high quality signal transmission
- Remote power capability
- Available in RAL9010 white

Model	Version Description	Part Number
XTP T EU 202	2 Input EU Transmitter	60-1358-35

XTP T MK 202

Two Input XTP Transmitter for MK Junction Boxes

The Extron XTP T MK 202 is a compact, two-input transmitter that sends HDMI or RGBHV video, audio, and control up to 330 feet (100 m) over a single CATx cable. The XTP® transmitter is compatible with a variety of MK-type junction boxes for convenient installation in wall-mount environments. It supports computer-video to 1920x1200, including HDTV 1080p/60 Deep Color and 2K. Incoming analog video signals are digitized for reliable transmission, and separate analog stereo audio transmissions can be embedded onto the output signal. Features include automatic switching between inputs with selectable prioritization and insertion of bidirectional RS-232 and IR to enable remote AV device control. Designed for XTP Systems®, the XTP T MK 202 can be remotely powered by the XTP CrossPoint® matrix switcher.

FEATURES

- Designed to mount in a two-gang junction box for UK, Singapore, Hong Kong and other markets that use MK-type junction boxes
- Transmits HDMI or digitized analog video, audio, and bidirectional RS-232 and IR up to 330 feet over a single CATx cable
- HDMI and VGA inputs
- Supports computer-video to 1920x1200, including HDTV 1080p/60 Deep Color and 2K
- Compatible with CAT 5e, CAT 6, and CAT 7 twisted pair cable
- Extron XTP DTP 24 Shielded Twisted Pair cable provides added protection from outside interference and ensures high quality signal transmission
- Remote power capability

Model	Version Description	Part Number
XTP T MK 202	2 Input MK Transmitter	60-1358-23

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DIGITAL VIDEO SYSTEMS

The Extron XTP DTP 24 Couplers and Punch Down Jacks are designed to work with Extron XTP DTP 24 Shielded Twisted Pair cable as part of the cable infrastructure for XTP Systems and DTP Series products. XTP DTP 24 cable and termination accessories are also recommended for use in HDBaseT systems. They are ideal for use in environments with high EMI/RFI interference. XTP DTP 24 Couplers and Punch Down Jacks are available in packages of 10, or in pre-populated AAP – Architectural Adapter Plate, MAAP – Mini Architectural Adapter Plate, and WPD – Wallplate-Decora form factors.

Architectural Adapter Plates

Two XTP DTP 24 Couplers

Two XTP DTP 24 Punch Down Jacks

Model	Version Description	Part Number
Two XTP DTP 24 Couplers	Black	70-1051-11
Two XTP DTP 24 Punch Down Jacks	Black	70-1051-12

Mini Architectural Adapter Plates

One XTP DTP 24 Coupler

One XTP DTP 24 Punch Down Jack

Model	Version Description	Part Number
One XTP DTP 24 Coupler	Black	70-1052-11
One XTP DTP 24 Coupler	White	70-1052-21
One XTP DTP 24 Punch Down Jack	Black	70-1052-12
One XTP DTP 24 Punch Down Jack	White	70-1052-22

WPD 100 Series

Pass-Through Wallplates - Decora® for XTP DTP 24 Cable

WPD 102 C

WPD 102 P

Model	Version Description	Part Number
WPD 101 C	One XTP DTP 24 Coupler	70-1053-03
WPD 102 C	Two XTP DTP 24 Couplers	70-1055-03
WPD 101 P	One XTP DTP 24 Punch Down Jack	70-1054-03
WPD 102 P	Two XTP DTP 24 Punch Down Jacks	70-1056-03

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SIGNAL PROCESSORS

Annotator 300

HDCP-Compliant Annotation Processor with DTP Extension

The Extron Annotator 300 is a high performance, hardware-based annotation processor that allows a presenter to draw, point, or type over live presentations using a touch display, graphics tablet, or a keyboard and mouse. The HDCP-compliant Annotator 300 includes HDMI and DisplayPort inputs, a universal analog video input, and three simultaneous outputs including two HDMI and a DTP 230 twisted pair output. It also features advanced Extron video signal processing with a high performance scaling engine and fast, reliable switching. The DTP 230 twisted pair output extends HDMI and bidirectional control signals to a DTP 230 receiver over a single CATx cable up to 230 feet (70 meters). The Annotator 300 offers a wide range of annotation tools and controls, all easily accessible by the presenter using an intuitive on-screen GUI.

FEATURES

- Live annotation capabilities plus high performance scaling and switching
- Integrated three-input switcher with HDMI, DisplayPort, and universal analog video inputs
- Three simultaneous video outputs
- Integrated DTP 230 output supports transmission of HDMI with embedded audio and control up to 230 feet (70 meters) over a single CATx cable
- Supports DisplayPort input signals at resolutions up to 2560x1600
- Advanced scaling engine with 30-bit processing and 1080i deinterlacing
- DTP output is compatible with HDBaseT-enabled devices
- Capture, store, and recall images
- Print captured images using a network printer

Model	Version Description	Part Number
Annotator 300	Annotation Processor with DTP Extension	60-1316-01

SCALERS

IN1608

Eight Input HDCP-Compliant Scaling Presentation Switcher with DTP Extension

IN1608

IN1608 SA - 2 x 50 Watt Stereo Power Amplifier

IN1608 MA - 100 Watt 70 Volt Mono Power Amplifier

The Extron IN1608 is an HDCP-compliant scaling presentation switcher with four HDMI inputs, two universal analog video inputs, and two Extron DTP 230 twisted pair inputs. It provides dual HDMI outputs and one DTP 230 output. The DTP 230 inputs and output work in conjunction with DTP 230 transmitters and a DTP 230 receiver to extend HDMI, audio, and bidirectional control signals up to 230 feet (70 meters), and each DTP transmitter/receiver link requires just a single CATx cable. The IN1608 provides the convenience of supporting local and remote sources and displays, with fast and reliable input switching, and a high performance scaling engine that converts HDMI and analog sources. The IN1608 also includes a host of audio switching and processing features, available power amplification, and flexible control options.

FEATURES

- Integrates HDMI, HDTV, RGB, video, and audio sources into presentation systems
- Four HDMI inputs and two universal analog video inputs
- Two simultaneous HDMI outputs
- Integrated DTP 230 inputs and output support transmission of HDMI or DVI, control, and analog audio up to 230 feet (70 meters) over a single CATx cable
- Compatible with CAT 5e, CAT 6, and CAT 7 twisted pair cable
- Bidirectional RS-232 and IR insertion for AV device control
- Remote powering of DTP transmitters and receiver
- Compatible with all DTP HDMI 230 and DTP DVI 230 models
- Two mic/line inputs with ducking and 48 volt phantom power
- Auto-switching between inputs
- HDMI audio embedding
- HDMI audio de-embedding
- Selectable output rates from 640x480 to 1920x1200, including HDTV 1080p/60 and 2K
- Available with energy efficient Class D stereo or mono amplifier:
  2 x 50 watts @ 4 ohms
  2 x 25 watts @ 8 ohms
  1 x 100 watts @ 70 volts
- Key Minder® continuously verifies HDCP compliance for quick, reliable switching
- EDID Minder® automatically manages EDID communication between connected devices
- SpeedSwitch Technology provides exceptional switching speed for HDCP-encrypted content
- Built-in Web pages

Model	Version Description	Part Number
IN1608	Standard Version	60-1238-01
IN1608 SA	2 x 50 Watt Stereo Power Amplifier	60-1238-02
IN1608 MA	100 Watt 70 Volt Mono Power Amplifier	60-1238-03

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SCALERS

DSC 3G-HD A

3G-SDI to HDMI Scaler with Audio Embedding

The Extron DSC 3G-HD A is a high performance 3G-SDI to HDMI scaler that converts 3G-SDI, HD-SDI, and SDI signals to HDMI. It accepts and scales SMPTE video resolutions from 480i and 576i up to 1080p/60 and 2K, and offers multiple output rates up to 1920x1200, including HDTV 1080p/60 and 2K. The DSC 3G-HD A is ideal for applications requiring broadcast-type signals to be interfaced with professional or consumer-level equipment.

FEATURES

- 3G-SDI, HD-SDI, and SDI to HDMI video scaling
- Accepts 3G-SDI/HD-SDI/SDI signals up to 2.97 Gbps
- Advanced scaling engine with 30-bit processing and 1080i deinterlacing
- HDMI audio embedding
- Selectable output rates from 640x480 to 1920x1200, including HDTV 1080p/60 and 2K
- Input equalization and reclocking on buffered loop-through

Model	Version Description	Part Number
DSC 3G-HD A	3G-SDI to HDMI Scaler	60-1303-01

DSC HD-3G A

HDMI to 3G-SDI Scaler with Audio Embedding

The Extron DSC HD-3G A is a high performance HDMI to 3G-SDI scaler that converts HDMI video signals to 3G-SDI, HD-SDI, and SDI formats. It accepts computer and SMPTE video resolutions up to 1920x1200 and 2K, and offers multiple output rates from 480i and 576i up to HDTV 1080p/60 and 2K. The DSC HD-3G A is ideal for applications requiring professional or consumer-level equipment to be interfaced with broadcast-type signals, including video editing and production, rental and staging, medical imaging, and large-scale presentations.

FEATURES

- HDMI to 3G-SDI, HD-SDI, and SDI video scaling
- Accepts HDMI signals up to 1920x1200, 1080p/60, and 2K
- Two simultaneous 3G-SDI/HD-SDI/SDI outputs
- Advanced scaling engine with 30-bit processing and 1080i deinterlacing
- SDI audio embedding
- Selectable output rates from 480i and 576i to HDTV 1080p/60 and 2K
- Genlock input with loop-through

Model	Version Description	Part Number
DSC HD-3G A	HDMI to 3G-SDI Scaler	60-1304-01

STREAMING AV

SMD 101

H.264 Streaming Media Decoder

The SMD 101 is a compact, high performance H.264 decoder used with Extron SME 100 encoders to provide complete end-to-end AV streaming systems. The SMD 101 is used in H.264 enterprise streaming applications to decode live streams from SME 100 encoders or play back network-accessible AV media files available from network shares. It is compatible with streaming resolutions and refresh rates up to 1080p/60. The output resolution is selectable from 640x480 to 1920x1200. The SMD 101 offers integration-friendly control features such as IR remote, wired IR, RS-232, or Ethernet and an easy-to-navigate Web interface providing simple, flexible control and management options. This compact, energy-efficient decoder is an ideal counterpart to the SME 100 encoder in overflow, monitoring, multi-channel streaming systems, high resolution signage, and messaging applications.

FEATURES

- Supports live IP video stream decoding
- Supports streaming resolutions from 480x320 up to 1080p/60
- AV media file playback from network shares
- Compatible with MP4 and MPEG-2 Transport Stream container formats
- Selectable audio output format: HDMI-embedded stereo audio or analog stereo audio
- Integrated scaler offers selectable output resolutions from 640x480 to 1920x1200
- Decode at native resolution
- EDID defined scaling
- Ethernet to RS-232 pass through control
- Fill/Follow/Fit Aspect Ratio Management
- Control from IR remote, wired IR, RS-232, Ethernet, or embedded Web interface
- Compatible with the full range of SME 100 streaming transport protocols
- Compatible with unicast and multicast push, or unicast pull streaming applications
- Optional SMD 101 REMOTE IR remote control

Model	Version Description	Part Number
SMD 101	H.264 Decoder	60-1305-01
SMD 101 Remote	Handheld IR Remote Control for SMD 101	70-1058-01

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Extron

STREAMING AV

VN-Matrix 250 Series

HDCP-Compliant HDMI and RGB Video Over IP Encoders and Decoders

The VN-Matrix® 250 Series provides real-time transmission of high resolution HDCP-compliant HDMI, DVI, or RGB video across standard IP networks for use in real-time streaming, recording, and playback applications. The VN-Matrix 250 Series accepts HDMI and RGB signals at resolutions up to 1920x1200 and 2048x1080, streams video and audio over an IP network, and decodes content back to original source resolution. Designed specifically to support mission critical AV applications, the VN-Matrix 250 Series supports streaming of commonly used AV signals, including HDCP-encrypted video. Stereo analog and HDMI-embedded stereo audio signals are both supported, providing compatibility with embedded display speakers or existing audio systems. The VN-Matrix 250 Series is ideal for applications with the most demanding quality requirements, such as command and control, simulation, medical, and distance collaboration with complex computer visualizations.

VNE 250 Encoder

VND 250 Decoder

4K UHD

FEATURES

- HDCP-compliant streaming
- Stream at native resolutions up to 1920x1200 and 2048x1080
- Low latency streaming
- Extensive bit rate management
- High immunity to network errors
- PURE3® Codec
- User-definable analog source capture
- EDID Minder® automatically manages EDID communication between connected devices
- Key Minder® continuously verifies HDCP compliance
- HDCP Visual Confirmation provides a green signal when encrypted content is sent to a non-compliant display
- Auto-Image setup
- Auto Input Memory
- Decode at native resolution or scale to match display resolution
- VN-Matrix 250 encoders and decoders can be configured into systems that stream 4K sources
- Encoder accepts HDMI-embedded stereo audio or analog stereo audio
- Decoder outputs HDMI-embedded stereo audio and analog stereo audio
- Aspect ratio control
- Two-way audio streaming
- Local Ethernet control port
- SFP port for use with fiber-optic transceivers
- Decoder genlock connection for synchronized decoding
- Audio breakaway streaming
- USB keyboard and mouse streaming
- Unicast or multicast streaming

Model	Version Description	Part Number
VNE 250	Encoder for HDMI, RGB, Audio, USB K&M	60-1274-01
VND 250	Decoder for HDMI, Audio, USB K&M	60-1275-01

VN-Matrix 325

3G-SDI Over IP Codec

The VN-Matrix® 325 streams 3G-SDI, HD-SDI, or SDI video and embedded audio over IP networks to meet the emerging need for low delay, production quality transport of SD and HD video over enterprise networks. The VN-Matrix 325 codec uses Extron's PURE3® codec which exceeds many of the performance characteristics of standards-based compression formats, delivering visually lossless imagery with low latency, and a high immunity against network errors. The VN-Matrix 325 codec is switchable between encode and decode functionality and video decoding can be genlocked to an external SDI reference. The VN-Matrix 325 is ideal for quality-critical applications such as live video delivery across a campus, production collaboration, studio-to-studio media exchange, and original video source contribution.

FEATURES

- Streams serial digital video with embedded audio
- Supports 3G-SDI, HD-SDI, or SDI signals
- Low latency streaming - 35 ms encode and 35 ms decode
- 10-bit YCrCb 4:2:2 encoding
- Supports resolutions up to 1080p/60
- Embedded audio
- Streaming data rates from 6 Mbps to 150 Mbps
- Codec switchable between encode and decode operation
- Compatible and interoperable with VN-Matrix 300 models
- Stream embedded audio as two channels or ANC data blocks of four channels

Model	Version Description	Part Number
VNC 325 3G-SDI	Codec for 3G-SDI	60-1249-01

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VIDEOWALL PROCESSORS

MGP Pro Series

HDCP-Compliant Multi-Window Processors

The Extron MGP 462 Pro and MGP 464 Pro are powerful, high-resolution processors that enable the display of multiple images on a single screen – two windows for the MGP 462 Pro and four windows for the MGP 464 Pro. Full HDCP Compliance at all HDMI video inputs and outputs assures worry-free presentation of protected content. The MGP Pro Series includes an HDMI background input connection, which enables source windows to be placed over a live video image and allows cascading multiple MGP Pro processors to generate more windows at the output. The MGP Pro Series also provides two simultaneous outputs that generate HDMI and RGBHV video, simplifying integration with different display devices. The MGP 462 Pro and MGP 464 Pro are ideal for applications that require side-by-side display of critical quality video and graphic signals.

FEATURES

- Combines HDMI, 3G-SDI, high resolution RGB, component, S-video, and composite input sources into multiple windows on a single display
- RGB, HDTV component video, and HDCP-compliant HDMI output
- Key Minder® continuously verifies HDCP compliance for quick, reliable switching
- Selectable output rates from 640x480 to 1920x1200, including HDTV 1080p/60 and 2K
- Graphic Still Store enables use of screen captures or uploaded graphics as background images
- Live video background from a dedicated HDMI source

MGP 462 Pro DI

MGP 464 Pro DI

Model	Version Description	Part Number
MGP 462 Pro	Two Windows, Standard Version	60-1258-01
MGP 462 Pro DI	Two Windows, With 4 HDMI Inputs	60-1258-02
MGP 462 Pro 3G-SDI	2 Windows, 2 3G/HD-SDI & 2 HDMI Inputs	60-1258-03
MGP 464 Pro	Four Windows, Standard Version	60-1259-01
MGP 464 Pro DI	Four Windows, With 4 HDMI Inputs	60-1259-02
MGP 464 Pro 3G-SDI	4 Windows, 2 3G/HD-SDI & 2 HDMI Inputs	60-1259-03

WindoWall Pro

Multi-Window HDCP-Compliant Videowall Processing Systems

The Extron WindoWall® Pro System is a powerful and versatile, yet user-friendly approach for multi-display videowall systems. It features a highly scalable architecture that delivers optimum performance and reliability. Full HDCP compliance at all HDMI inputs and outputs assures worry-free presentation of protected content. WindoWall Console software is the user interface to the system, facilitating intuitive, straightforward control and configuration of videowall systems, and the creation of presentations with multiple, independent windows for displaying graphics, HDTV, and video. WindoWall Pro is typically used to manage images on two to six screens. The WindoWall Pro System is an ideal choice for applications that require highly reliable, multi-window videowall systems.

FEATURES

- Scalable videowall systems from 1x2 up to 2x3 and larger
- Dedicated high performance video and graphics processing for each display or video cube
- Four independent windows per display of video, HDTV, and high resolution computer-video
- Wizard-based graphical user interface for videowall system setup
- RGB, HDTV component video, and HDCP-compliant HDMI output
- Key Minder® continuously verifies HDCP compliance for quick, reliable switching

Model	Version Description	Part Number
WindoWall 102 Pro	Two Processors for 1x2 Walls	42-177-02
WindoWall 103 Pro	Three Processors for 1x3 Walls	42-177-03
WindoWall 102 Pro DI	Two Processors with HDMI for 1x2 Walls	42-177-12
WindoWall 103 Pro DI	Three Processors with HDMI for 1x3 Walls	42-177-13

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SWITCHERS

MPS 602

Media Presentation Switcher with DTP Extension

The Extron MPS 602 is a simple-to-use, six input media presentation switcher for digital and analog sources. It offers digital video switching with three HDMI inputs and one DTP 230 twisted pair input, and analog video switching with two RGB inputs that are digitized for distribution to the digital outputs. For increased flexibility, the MPS 602 includes a DTP 230 twisted pair output and an HDMI output that are switch-selectable. The DTP 230 input and output work in conjunction with DTP 230 transmitters and receivers to extend HDMI, audio, and bidirectional control signals up to 230 feet (70 meters), and each DTP link requires just a single CATx cable. The MPS 602 also includes several audio switching and processing features, available power amplification, plus flexible control options for complete AV switching and distribution.

FEATURES

- Integrates HDMI, RGB, and audio sources into presentation systems
- Three HDMI inputs and two RGB inputs
- Selectable HDMI or DTP 230 output
- Integrated DTP 230 input and output support transmission of HDMI or DVI, control, and analog audio up to 230 feet (70 meters) over a single CATx cable
- Compatible with CAT 5e, CAT 6, and CAT 7 twisted pair cable
- Extron XTP DTP 24 Shielded Twisted Pair cable provides added protection from outside interference and ensures high quality signal transmission
- Bidirectional RS-232 and IR insertion for AV device control
- Remote powering of DTP transmitter and receiver
- Compatible with all DTP HDMI 230 and DTP DVI 230 models
- Digital conversion of analog input signals
- HDCP compliant
- Key Minder® continuously verifies HDCP compliance for quick, reliable switching
- EDID Minder® automatically manages EDID communication between connected devices
- HDMI audio embedding
- HDMI audio de-embedding
- Mic/line input with 48 volt phantom power
- Available with energy efficient Class D stereo or mono amplifier:
  2 x 50 watts @ 4 ohms
  2 x 25 watts @ 8 ohms
  1 x 100 watts @ 70 volts

MPS 602

MPS 602 SA - 2 x 50 Watt Stereo Power Amplifier

MPS 602 MA - 100 Watt 70 Volt Mono Power Amplifier

DTP SYSTEMS

Model	Version Description	Part Number
MPS 602	Variable Preamp Output - No Amplifier	60-1313-01
MPS 602 SA	2 x 50 Watt Stereo Power Amplifier	60-1314-01
MPS 602 MA	100 Watt 70 Volt Mono Power Amplifier	60-1315-01

MPS 601

Media Presentation Switcher

The Extron MPS 601 is a compact six input, one output media presentation switcher for digital and analog sources. It offers four, HDCP-compliant HDMI inputs and two RGB video inputs with analog stereo audio. RGB video and analog audio are digitized and switched through the HDMI output. The MPS 601 features two Extron-exclusive technologies: EDID Minder®, which maintains continuous EDID communication between connected devices and Key Minder®, which continuously authenticates and maintains HDCP encryption between input and output devices to ensure quick and reliable switching. The MPS 601 is ideal for applications that require the routing of digital and analog sources to a single display.

FEATURES

- Integrates HDMI, RGB, and audio sources into presentation systems
- Digitizes RGB and analog audio signals, and switches them through the HDMI output
- EDID Minder® automatically manages EDID communication between connected devices
- Key Minder® continuously verifies HDCP compliance for quick, reliable switching
- Supports computer-video to 1920x1200, including HDTV 1080p/60 and 2K
- Audio input assignment for integration flexibility
- Multiple control options including front panel, RS-232, contact closure, and auto-input switching

Model	Version Description	Part Number
MPS 601	Six Input HDMI, VGA, & Audio Switcher	60-1377-01

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SWITCHERS

SW HDMI Series

HDMI Switchers with EDID Minder®

The Extron SW HDMI Series are two, four, six and eight input HDMI switchers. They support HDMI specification features including data rates up to 6.75 Gbps, Deep Color up to 12-bit, 3D, Lip Sync, and HD lossless audio formats. The SW HDMI Series switchers are HDCP compliant and support all HDTV rates including 1080p/60, 2K, and computer-video signals up to 1920x1200. They feature EDID Minder®, which maintains continuous EDID communication with connected devices and ensures that the HDMI sources power up properly and maintain correct video output. The SW HDMI Series provides automatic input cable equalization up to 50 feet for 1080p/60 with 8-bit color on Extron HDMI Pro Series cable. The SW HDMI Series switchers are ideal for applications that require the routing of multiple HDMI sources to a single display.

FEATURES

- EDID Minder® automatically manages EDID communication between connected devices
- Supports computer-video to 1920x1200, including HDTV 1080p/60 and 2K
- Supported HDMI specification features include data rates up to 6.75 Gbps, Deep Color up to 12-bit, 3D, Lip Sync, and HD lossless audio formats
- HDCP compliant
- Automatic input cable equalization to 50 feet at 1080p/60 with 8-bit color when used with Extron HDMI Pro Series cable
- Provides +5 VDC, 250 mA power on the output for external peripheral devices
- Includes LockIt® HDMI cable lacing brackets

Model	Version Description	Part Number
SW2 HDMI	Two Input Switcher w/ Contact Closure	60-841-21
SW4 HDMI	Four Input Switcher w/ Contact Closure	60-841-22
SW6 HDMI	Six Input Switcher w/ Contact Closure	60-841-03
SW8 HDMI	Eight Input Switcher w/ Contact Closure	60-841-04

SW 2 HDMI

SW 4 HDMI

SW 6 HDMI

SW 8 HDMI

CTR 8

Eight Input Contact Closure to RS-232 Converter

The Extron CTR 8 adds contact closure control to most RS-232 controllable Extron single-output simple or scaling switchers. The CTR 8 accepts up to eight contact closure inputs and converts them to SIS™ serial commands that select the corresponding input on an Extron switcher. Video can be muted and un-muted by pressing a single switch in sequence, allowing the user to control the viewing of the presentation. Each contact closure input features a +5 VDC output that can be used to light an LED to indicate the active switch. To streamline installation, a +12 VDC power loop-out port allows sharing of external power with another Extron product. The CTR 8 is ideal for applications in which contact closure control must be added to an Extron switcher.

FEATURES

- Adds contact closure control capability to most RS-232 controllable Extron single-output simple or scaling switchers
- Converts contact closure inputs to Extron SIS serial commands
- +5 VDC output to light an external LED
- Video muting control with selectable LED indication mode
- +12 VDC loop-out power port
- 1U, quarter rack width metal enclosure

Model	Version Description	Part Number
CTR 8	Contact closure to RS-232	60-1408-01

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Extron

AUDIO PRODUCTS

SpeedMount Ceiling Speaker System

Two-Way 70/100 V Speaker Cartridge with Low Profile Plenum Enclosure

SPEED MOUNT

The Extron SpeedMount® Ceiling Speaker System is a patented low profile, plenum rated two-piece speaker system designed for division-of-labor installations. The innovative CS 1226T SpeedMount speaker system consists of the CS 120P plenum rated enclosure and a CS 26T two-way speaker cartridge. The CS 120P enclosure installs quickly into 2' x 2' (61 cm x 61 cm) or metric 600 mm x 600 mm suspended ceiling grids. The CS 26T speaker cartridge features a 6.5" (16.5 cm) woofer and a 3/4" (1.9 cm) tweeter in a coaxial design, and can be used in 70/100 volt or 8 ohm operation. The CS 1226T is available as a complete assembly, or the CS 120P and CS 26T can be purchased separately to accommodate division-of-labor installations, with the enclosures installed during rough-in and the speaker cartridges during final installation.

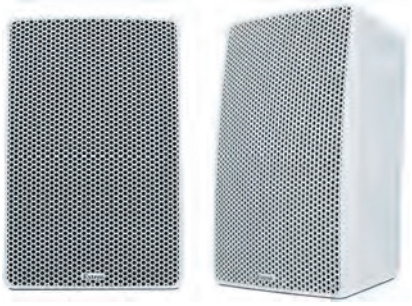
FEATURES

- Patented two-piece speaker system for suspended ceilings in division-of-labor installations
- 3/4" (1.9 cm) dome tweeter
- 6.5" (16.5 cm) woofer with a tuned bass reflex port
- 8 ohm direct or 70/100 volt operation on a 6 position, behind-the-grille selector
- Frequency range: 70 Hz to 20 kHz
- 30 watts continuous pink noise, 60 watts continuous program
- 90° conical dispersion
- Internal driver overload protection
- Thin bezel and magnetically attached grille
- Grille and bezel are available in white only and may be painted to match environment
- Spring-loaded locking arms on the CS 26T for quick installation
- Fast-installing enclosure speeds installation; no tile bridge necessary
- UL 2043 plenum rated enclosure
- Low profile, 5" (12.7 cm) deep enclosure for plenum environments
- Compatible with US 2' x 2' ceiling grids and metric 600 mm x 600 mm ceiling grids
- Reinforced enclosure minimizes acoustical vibrations
- 5 year parts and labor warranty

Model	Version Description	Part Number
CS 1226T	1x2 SpeedMount System, Pair	42-170-03
CS 120P	1x2 SpeedMount Enclosure, Pair	70-976-01
CS 26T	Open Back Speaker, Transformer, Pair	60-1307-03

SM 26

SpeedMount Two-Way Surface Mount Speakers with 6.5" Woofer



SPEED MOUNT

The Extron SM 26 SpeedMount® Surface Mount Speaker is a two-way speaker with a patent pending, concealed wall mounting system. It features a 6.5" (16.5 cm) woofer with dual tuned ports and a 1" (2.5 cm) tweeter. The SM 26 provides a wide frequency range from 70 Hz to 18 kHz, and a power rating of 60 watts continuous pink noise, 120 watts continuous program capacity. The Extron-exclusive mounting system is designed to accommodate division-of-labor installations and save costs. The SM 26 is available as an 8 ohm model, and an SM 26T version which can operate in 8 ohm direct as well 70 volt and 100 volt modes. The SM 26T features a 6 position power tap selector, which can conveniently be accessed through the grille from outside the speaker.

FEATURES

- Patent pending, concealed mounting system
- Includes 0° mounting plate and 10° mounting adapter
- Designed to accommodate division-of-labor installations and save costs
- 1" (2.5 cm) silk dome tweeter
- 6.5" (16.5 cm) long-throw woofer with dual tuned bass reflex ports
- Two versions available
  - 8 ohm direct operation only
  - 8 ohm direct or 70/100 volt operation
- Convenient 6 position, through-the-grille power tap selector on the SM 26T
- Optional yoke mount allows 180° of speaker pivot in 10° detented steps, part # 70-993-02 and 70-993-03
- Frequency range: 70 Hz to 18 kHz
- 60 watts continuous pink noise, 120 watts continuous program
- Internal driver overload protection
- Hidden locking speaker release mechanism
- Black or white high-impact enclosure
- 5 year parts and labor warranty

Model	Version Description	Part Number
SM 26	8 ohm - Black, Pair	60-1308-02
SM 26	8 ohm - White, Pair	60-1308-03
SM 26T	Transformer - Black, Pair	60-1308-12
SM 26T	Transformer - White, Pair	60-1308-13
Yoke Mount	Yoke Mount for SM 26, Pair - Black	70-993-02
Yoke Mount	Yoke Mount for SM 26, Pair - White	70-993-03

See animated demonstration of SpeedMount installation
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AUDIO PRODUCTS

SF 26X

Two-Way SoundField Open Back 8 Ohm Ceiling Speakers

The Extron SoundField® SF 26X is a two-way ceiling speaker featuring an open back and coaxial dual driver design for use in non-plenum airspace environments. The driver complement includes a 6.5" (16.5 cm) woofer coupled to a 3/4" (1.9 cm) ferrofluid-cooled dome tweeter. The SF 26X provides a frequency range of 50 Hz to 20 kHz for accurate voice and detailed music reproduction. This speaker offers a nominal impedance of 8 ohms, and is engineered with a wide, uniform 110° conical coverage and uncolored off-axis response. The SF 26X features a thin-edged bezel for a refined appearance on the ceiling, and a magnetically attached grille.

FEATURES

- Open back, infinite baffle design
- 8 ohm nominal impedance
- 3/4" (1.9 cm) ferrofluid-cooled dome tweeter
- 6.5" (16.5 cm) polypropylene woofer
- Frequency range: 50 Hz to 20 kHz
- 25 watts continuous pink noise, 50 watts continuous program
- 110° conical dispersion
- Internal driver overload protection
- Thin bezel and magnetically attached grille
- 5 year parts and labor warranty

Model	Version Description	Part Number
SF 26X	8 ohm - Open Back, Pair	60-1312-03

AXP 50 C AT

Five Input Audio Expansion Processor with AEC and Dante

The Extron AXP 50 C AT is a five input audio expansion processor with Extron ProDSP™ for integrating remote microphones and other sources onto a Dante™-enabled Extron DMP 128 audio system. A simple Ethernet link, from an AXP 50 C AT in a remote location such as a conference table, to a central equipment rack avoids the effort and expense of pulling several audio cables. The AXP 50 C AT provides 48 volt phantom power to its mic/line inputs. It is unique in that dedicated signal processing is available for each input, including gain, filtering, dynamics, and AEC - acoustic echo cancellation. The intuitive DSP Configurator™ Software makes it quick and easy to set up the AXP 50 C AT and route its inputs to one or more DMP 128 AT units on the Dante network.

FEATURES

- Five mic/line level inputs with 48 volt phantom power
- Independent AEC - acoustic echo cancellation on each channel
- Dante audio networking provides a wide range of expansion capabilities
- Built-in four-port Gigabit switch
- One digital input and dual digital outputs at each mic/line input
- Compact 1U, half rack width metal enclosure
- ProDSP™ 32/64-bit floating point signal processing
- Studio grade 24-bit/48 kHz analog-to-digital converters
- Low latency DSP processing
- DSP Configurator™ Software
- Intuitive Graphical User Environment
- Building Blocks processor settings

Model	Version Description	Part Number
AXP 50 C AT	Audio Expansion Processor w/ AEC & Dante	60-1325-01

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Extron

AUDIO PRODUCTS

XPA 1002 Plus

Two Channel Amplifier - 100 Watts Per Channel

The Extron XTRA™ Series XPA 1002 Plus is a half rack 1U, convection cooled power amplifier delivering two channels of 100 watts into 4 or 8 ohms. This professional grade amplifier features a 105 dB signal-to-noise ratio with 0.05% THD+N. The XPA 1002 Plus is an ENERGY STAR® qualified amplifier with an Extron exclusive, highly efficient, advanced Class D amplifier design. It also features patented CDRS™ - Class D Ripple Suppression technology that provides a smooth, clean audio waveform and an improvement in signal fidelity over conventional Class D amplifiers. The XPA 1002 Plus is one quarter the size of comparable amplifiers, conserving rack space and weighing only 2.5 lbs (1.1 kg). The Extron exclusive, high efficiency design generates very little heat and allows the amplifier to be convection cooled.

FEATURES

- 200 watts rms output power: 2 x 100 watts @ 4 or 8 ohms, or 1 x 200 watts @ 8 ohms (bridged)
- ENERGY STAR® qualified amplifier
- Professional grade signal-to-noise and THD+N performance
- Extron Patented CDRS™ - Class D Ripple Suppression
- Convection cooled, fanless operation
- Ultra low inrush current - no need for power sequencing
- Power factor correction - removes harmonic content on AC line
- Rack-mountable 1U, half rack width enclosure
- UL 2043 plenum rated when used with optional Flexible Conduit Adapter Kit

ENERGY STAR

Learn more about cost saving XTRA™ technologies
www.extron.com/xtrapaper

Model	Version Description	Part Number
XPA 1002 Plus	Two Channel Amp - 100 Watts/Ch	60-849-21

MPA 152 Plus

Stereo Amplifier - 15 Watts Per Channel

The Extron MPA 152 Plus is a quarter rack width, stereo integrated mini power amplifier that delivers 15 watts rms per channel. The MPA 152 Plus features a 90 dB signal-to-noise ratio with 0.1% THD+N, offering exceptional performance for speaker systems requiring compact, economical audio amplification. The MPA 152 Plus is an ENERGY STAR® qualified amplifier with an Extron exclusive, highly efficient, advanced Class D amplifier design. It also features patented CDRS™ - Class D Ripple Suppression technology that provides a smooth, clean audio waveform and an improvement in signal fidelity over conventional Class D amplifiers. The Extron exclusive, high efficiency design generates very little heat and allows the amplifier to be fanless and operate in environments with little or no ventilation.

FEATURES

- 30 watts rms output power: 2 x 15 watts @ 4 ohms, or 2 x 8 watts @ 8 ohms
- ENERGY STAR® qualified amplifier
- 90 dB signal-to-noise ratio with 0.1% THD+N
- Defeatable auto power-down timer for 24/7 applications
- Extron Patented CDRS™ - Class D Ripple Suppression
- Bass, treble, and input level controls
- Stereo/dual mono toggle switch
- UL 2043 plenum rated
- Balanced and unbalanced buffered audio inputs
- Convection cooled, fanless operation

ENERGY STAR

Model	Version Description	Part Number
MPA 152 Plus	Stereo Amp - 15 Watts/Ch	60-844-03

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AUDIO PRODUCTS

BUC 202

Two Channel Audio BUC - Balanced and Unbalanced Converter

The Extron BUC 202 is a two channel balanced and unbalanced audio converter, and audio line driver. It features two balanced or unbalanced inputs and outputs, both on captive screw connectors. The converter provides two independent channels of signal matching between unbalanced and balanced audio equipment. Two precision rotary switches provide trim adjustment from -21 to +21 dB in clearly-labeled 3 dB steps. In addition to serving as an interface from consumer products to professional AV systems, the BUC 202 is a high-quality line driver for sending and receiving audio signals up to 1,000 feet (300 m). The unique 1U, quarter rack width enclosure, together with the included patented ZipClip™ 200 mounting bracket, offers the versatility to install the BUC 202 in a discreet location, such as on a rack rail, beneath a table, or within a lectern.

FEATURES

- Converts unbalanced audio signals to balanced signals and balanced signals to unbalanced signals
- Active circuitry design
- Audio line driver for long distance audio signal transmission
- Independent, variable trim control on each channel with wide, 42 dB adjustment range
- Versatile 1U, quarter rack width enclosure allows installation on a rack rail, beneath a table, or within a lectern
- Patented ZipClip™ 200 mounting kit included:
  - Mounts securely on a variety of surfaces, including rack rails, tables, lecterns, and table legs
  - Wire tie slots for proper strain relief and dressing of excess cable
  - Quick release tab allows for easy installation and removal
- Internal universal power supply
- UL/c-UL listed and CE compliant

Model	Version Description	Part Number
BUC 202	Balanced-Unbalanced Audio Converter	60-1370-01

FIBER OPTICS

FOX II DP

Fiber Optic Extender for DisplayPort, Multi-Channel Audio, RS-232, and IR

FOX II T DP

FOX II R DP

The Extron FOX II DP Fiber Optic Extender is a transmitter and receiver set for long haul transmission of HDCP-compliant DisplayPort video, multi-channel audio, RS-232 control, and IR control signals over fiber optic cabling. Engineered for reliability and exceptional high resolution image performance, it uses Extron all-digital technology to deliver pixel-for-pixel transmission of DisplayPort computer-video images up to 2560x1600. The FOX II DP brings new features to the FOX Series, including support for higher resolutions, multi-channel audio, an audio return channel, and IR support. It also includes many integrator-friendly features such as Key Minder®, EDID Minder®, audio embedding, audio gain and attenuation, and real-time system monitoring.

FEATURES

- Transmits DisplayPort video, multi-channel audio, RS-232 control, and IR control signals over fiber optic cabling
- All digital technology provides pixel-for-pixel performance with signals up to 2560x1600
- HDCP compliant
- Key Minder® continuously verifies HDCP compliance for quick, reliable switching
- EDID Minder® automatically manages EDID communication between connected devices
- Buffered DisplayPort input loop-through
- Audio embedding
- Audio gain and attenuation adjustment capability
- DisplayPort audio de-embedding with analog stereo outputs
- Audio return channel
- Bidirectional RS-232 and IR signals over fiber optic cabling for AV device control
- Compatible with Extron FOX Series switchers and matrix switchers to create HDCP-compliant signal distribution systems up to 1000x1000 and larger

Model	Version Description	Part Number
FOX II T DP MM	DP Transmitter - Multimode	60-1181-11
FOX II R DP MM	DP Receiver - Multimode	60-1181-21
FOX II T DP SM	DP Transmitter -Singlemode	60-1181-12
FOX II R DP SM	DP Receiver - Singlemode	60-1181-22

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Extron

ARCHITECTURAL CONNECTIVITY

Cable Cubby Series/2

Next-Generation Cable Access Enclosures for AV Connectivity and AC Power

The Extron **Cable Cubby® Series/2** is the next generation of Cable Cubby cable access enclosures, the AV industry's gold standard for conference table AV connectivity, AC power and cable management. These sophisticated yet durable, furniture-mountable enclosures blend seamlessly with modern furniture and room décor, virtually disappearing into the surface when closed. Cable Cubby Series/2 enclosures are engineered for fast assembly and installation on the job site. A simple, elegant **integrated clamp system** secures Cable Cubby Series/2 enclosures to the furniture surface without the need for tools or additional parts. These versatile modular enclosures accommodate Extron Retractor or Retractor XL cable retraction modules, AV cables, or AAP – Architectural Adapter Plates, and can be easily customized to your exact needs, using the online Extron Cable Cubby Builder. For AC power, **AC 100 Series** power modules with two AC outlets, or the unique AC+USB 200 Series power module with both AC and USB power outlets for charging or powering mobile devices, are available for the US, Europe, and other major world markets. The patent-pending design enables the convenient installation or replacement of AV cables or AAPs from the top of the enclosure after installation. Cable Cubby Series/2 enclosures are available in a black anodized or brushed aluminum finish to complement any room or furniture style.

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ARCHITECTURAL CONNECTIVITY

Cable Cubby 500

Series/2 Cable Access Enclosure for AV Connectivity and AC Power

The Extron Cable Cubby® 500 is a modular, furniture-mountable cable access enclosure for AV connectivity and AC power. The Cable Cubby 500 accommodates one AC 100 Series or AC+USB 200 AC power module and includes mounting brackets for up to three Retractors, four AV cables, or two AAP - Architectural Adapter Plates. The enclosure's patent-pending modular design allows cables and AAPs to be installed or serviced from the top of the enclosure after it is installed. For fast installation, the Cable Cubby 500 features a simple, integrated clamp system that quickly secures the enclosure to the furniture surface without the need for additional parts or tools. AC Power and AC+USB Power Modules are available for the US, Europe, and other major world markets. The Cable Cubby 500 is available in a black anodized or brushed aluminum finish.

FEATURES

- Accommodates one Series/2 AC or AC+USB Power Module, plus three Retractors, four AV cables, or two AAP- Architectural Adapter Plates
- Patent-pending modular design for fast assembly and serviceability
- Retractor, Cable Pass-Through, and AAP brackets included
- Retractor Bracket holds three Retractor or Retractor XL cable retraction modules
- AC Power and AC+USB Power Modules are available for US, Europe, and other major world markets
- Available Multi-Region AC outlet is compatible with a variety of AC plug types*

Cable Cubby 500 shown with optional products; sold separately

Model	Version Description	Part Number
Cable Cubby 500	Black-with US AC Power Module	60-1404-02
Cable Cubby 500	Black-AC Module Not Included	70-1045-02
Cable Cubby 500	Brushed Aluminum-AC Module Not Included	70-1045-08
Routing Template	Routing Template for Cable Cubby 500	70-1048-80

Cable Cubby 700

Series/2 Cable Access Enclosure for AV Connectivity and AC Power

The Extron Cable Cubby® 700 is a modular, furniture-mountable cable access enclosure for AV connectivity and AC power. The Cable Cubby 700 accommodates one AC 100 Series or AC+USB 200 AC power module and includes mounting brackets for up to six Retractors, eight AV cables, or four AAP - Architectural Adapter Plates. The enclosure's patent-pending modular design allows cables and AAPs to be installed or serviced from the top of the enclosure after it is installed. For fast installation, the Cable Cubby 700 features a simple, integrated clamp system that quickly secures the enclosure to the furniture surface without the need for additional parts or tools. AC Power and AC+USB Power Modules are available for the US, Europe, and other major world markets. The Cable Cubby 700 is available in a black anodized or brushed aluminum finish.

FEATURES

- Accommodates one Series/2 AC or AC+USB Power Module, plus six Retractors, eight AV cables, or four AAP- Architectural Adapter Plates
- Patent-pending modular design for fast assembly and serviceability
- Retractor, Cable Pass-Through, and AAP brackets included
- Retractor Bracket holds three Retractor or Retractor XL cable retraction modules
- AC Power and AC+USB Power Modules are available for US, Europe, and other major world markets
- Available Multi-Region AC outlet is compatible with a variety of AC plug types*

Cable Cubby 700 shown with optional products; sold separately

Model	Version Description	Part Number
Cable Cubby 700	Black-with US AC Power Module	60-1405-02
Cable Cubby 700	Black-AC Module Not Included	70-1046-02
Cable Cubby 700	Brushed Aluminum-AC Module Not Included	70-1046-08
Routing Template	Routing Template for Cable Cubby 700	70-1049-80

***Note:** For complete compatibility information on supported AC plug types, see the Multi-Region AC Outlet Compatibility Guide, available online at www.extron.com/Multi-RegionGuide.

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ARCHITECTURAL CONNECTIVITY

Cable Cubby 1200

Series/2 Cable Access Enclosure for AV Connectivity and AC Power

The Extron Cable Cubby® 1200 is a slim, compact furniture-mountable cable access enclosure for AV connectivity and AC power. It is ideal for use in conference tables, desks, study carrels, and other space constrained furniture. The Cable Cubby 1200 accommodates one AC 100 Series or AC+USB 200 Series AC power module and includes mounting brackets for up to three Retractors, eight AV cables, or three AAP - Architectural Adapter Plates. Cables and AAPs can be installed or serviced from the top of the enclosure after it is installed. The Cable Cubby 1200 features a simple integrated clamp system that quickly secures the enclosure to the furniture surface without the need for additional parts or tools. AC Power and AC+USB Power Modules are available for the US, Europe, and other major world markets. The Cable Cubby 1200 is available in a black anodized or brushed aluminum finish.

FEATURES

- Accommodates one Series/2 AC 100 Series or AC+USB 200 Series Power Module, plus three Retractors, eight AV cables, or three AAP - Architectural Adapter Plates
- Slim enclosure is ideal for conference tables, desks or study carrels, lecterns, and other work spaces where space is at a premium
- Patent-pending modular design for fast assembly and serviceability
- Retractor, Cable Pass-Through, and AAP brackets included
- Retractor Bracket holds three Retractor or Retractor XL cable retraction modules
- Connectivity Bracket supports up to three single-space AAPs
- Cable Pass-Through Bracket supports up to eight AV cables
- AC Power and AC+USB Power Modules are available for US, Europe, and other major world markets

Cable Cubby 1200 shown with optional products; sold separately

Model	Version Description	Part Number
Cable Cubby 1200	Black-with US AC Power Module	60-1397-02
Cable Cubby 1200	Black-AC Module Not Included	70-1037-02
Cable Cubby 1200	Brushed Aluminum-AC Module Not Included	70-1037-08
Routing Template	Routing Template for Cable Cubby 1200	70-1041-80

Cable Cubby 1400

Series/2 Cable Access Enclosure for AV Connectivity and AC Power

The Extron Cable Cubby® 1400 is a unique, double-sided furniture-mountable cable access enclosure for AV connectivity and AC power. It is ideal for applications where a centrally located enclosure is required to support users on both sides of the table. Each side of the Cable Cubby 1400 accommodates one AC 100 Series or AC+USB 200 Series AC power module and includes mounting brackets for up to three Retractors, eight AV cables, or three AAP - Architectural Adapter Plates. Cables and AAPs can be installed or serviced from the top of the enclosure after it is installed. The Cable Cubby 1400 features a simple integrated clamp system that quickly secures the enclosure to the furniture surface without the need for additional parts or tools. AC Power and AC+USB Power Modules are available for the US, Europe, and other major world markets. The Cable Cubby 1400 is available in a black anodized or brushed aluminum finish.

FEATURES

- Accommodates one Series/2 AC 100 Series or AC+USB 200 Series Power Module, plus three Retractors, eight AV cables, or three AAP-Architectural Adapter Plates, per side
- Double-sided enclosure provides convenient access to AV connectivity and AC power from either side of a table or other work surface
- Patent-pending modular design for fast assembly and serviceability
- Retractor, Cable Pass-Through, and AAP brackets included
- Retractor Brackets hold three Retractor or Retractor XL cable retraction modules
- Connectivity Bracket supports up to three single-space AAPs
- Cable Pass-Through Bracket supports up to eight AV cables
- AC Power and AC+USB Power Modules are available for US, Europe, and other major world markets

Cable Cubby 1400 shown with optional products; sold separately

Model	Version Description	Part Number
Cable Cubby 1400	Black-with US AC Power Modules	60-1398-02
Cable Cubby 1400	Black-AC Module Not Included	70-1038-02
Cable Cubby 1400	Brushed Aluminum-AC Module Not Included	70-1038-08
Routing Template	Routing Template for Cable Cubby 1400	70-1042-80

***Note:** For complete compatibility information on supported AC plug types, see the Multi-Region AC Outlet Compatibility Guide, available online at www.extron.com/Multi-RegionGuide.

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ARCHITECTURAL CONNECTIVITY

AC 100 Series

AC Power Modules for Cable Cubby Series/2 Enclosures

The Extron AC 100 Series AC Power Modules are designed for use with Cable Cubby Series/2 enclosures. Versions are available with discrete AC power outlets for the US, Europe, and other major world markets. Most AC 100 Series power modules feature two unswitched AC power outlets; the South Africa module provides one switched AC power outlet. The Extron AC+USB 200 Series is also available for applications where USB power outlets are needed. AC 100 Series power modules are UL/c-UL listed and CE compliant when installed.

FEATURES

- Designed to work with Cable Cubby® Series/2 enclosures
- AC power outlets available for US, Europe, and other major world markets
- Most versions feature two unswitched AC power outlets
- Italy model also accepts 2-pin Europlug and Schuko-type AC plugs
- South Africa module provides one switched AC power outlet
- Available Multi-Region AC outlet is compatible with a variety of AC plug types*
- US model includes an attached 9.5' power cord
- UL/c-UL listed and CE compliant when installed

Model	Version Description	Part Number
AC 102 US	US Outlets	60-1385-01
AC 102 UK	UK Outlets	60-1385-02
AC 102 EU	Europe Outlets	60-1385-03
AC 102 AUS	Australia Outlets	60-1385-04
AC 102 SW	Switzerland Outlets	60-1385-05
AC 102 FR	France Outlets	60-1385-06
AC 102 IT	Italy Outlets	60-1385-07
AC 101 SA	South Africa Outlet	60-1385-08
AC 102 DK	Denmark Outlets	60-1385-09
AC 102 MULTI	Multi-Region Outlets	60-1385-10

AC 102 US

AC 102 UK

AC 102 EU

AC 102 AUS

AC 102 SW

AC 102 FR

AC 102 IT

AC 101 SA

AC 102 DK

AC 102 MULTI

AC+USB 200 Series

AC+USB Power Modules for Cable Cubby Series/2 Enclosures

The Extron AC+USB 200 Series Power Modules are designed for use with Cable Cubby Series/2 enclosures. They feature one or two unswitched AC power outlets, and two USB power outlets that provide +5VDC and up to 2.1A / 10.5 watts of USB power for charging mobile devices such as smartphones and tablets. The USB power outlets can deliver full power to either USB outlet when only one device is connected. The Extron AC 100 Series AC Power Modules are also available for applications where only AC power outlets are needed.

FEATURES

- Designed to work with Cable Cubby® Series/2 enclosures
- AC power outlets available for US, Europe, and other world markets
- Most versions feature one unswitched AC power outlet
- Italy model also accepts 2-pin Europlug and Schuko-type AC plugs
- Available Multi-Region AC outlet is compatible with a variety of AC plug types*
- US model includes an attached 9.5' power cord
- UL/c-UL listed and CE compliant when installed
- Energy-efficient external universal power supply, included, replacement part # 70-775-01

Model	Version Description	Part Number
AC+USB 222 US	US Outlets	60-1384-01
AC+USB 212 UK	UK Outlet	60-1384-02
AC+USB 212 EU	Europe Outlet	60-1384-03
AC+USB 212 AUS	Australia Outlet	60-1384-04
AC+USB 212 SW	Switzerland Outlet	60-1384-05
AC+USB 212 FR	France Outlet	60-1384-06
AC+USB 212 IT	Italy Outlet	60-1384-07
AC+USB 212 DK	Denmark Outlet	60-1384-09
AC+USB 212 MULTI	Multi-Region Outlet	60-1384-10

AC+USB 222 US

AC+USB 212 UK

AC+USB 212 EU

AC+USB 212 AUS

AC+USB 212 SW

AC+USB 212 FR

AC+USB 212 IT

AC+USB 212 DK

AC+USB 221 MULTI

***Note:** For complete compatibility information on supported AC plug types, see the Multi-Region AC Outlet Compatibility Guide, available online at www.extron.com/Multi-RegionGuide. Check local electrical standards before installing.

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ARCHITECTURAL CONNECTIVITY

Optional Connectivity Brackets for Cable Cubby 1200/1400

For design flexibility, optional "Small" mounting brackets allow Retractors or AV cables to be mounted to the left and right of the selected AC power module. The brackets are sold in pairs; each bracket supports four AV cables or two Retractor modules.

Model	Version Description	Part Number
Cable Bracket Kit - Small	Four AV cables per bracket;sold in pairs	70-1040-01
Retractor Bracket Kit - Small	Two Retractors per bracket;sold in pairs	70-1040-02

WPC 220 A EU

Wallplate with Pass-Through Connectors for HDMI, Computer Video, and PC Audio - European Junction Boxes

The Extron WPC 220 A EU wallplate is specifically designed to fit a standard European single junction box. It features an HDMI female to HDMI female connector on 6" (15 cm) pigtail, computer video, and 3.5 mm stereo audio with pass-through output on captive screw connectors for ease of integration in standard, 40 mm deep junction boxes. The Extron WPC 220 A EU wallplate is made of metal and is available in RAL9010 white.

FEATURES

- Video: HDMI female to HDMI female connector on 6" (15 cm) pigtail
- Computer video: 15-pin female to captive screw connectors
- PC audio: 3.5 mm stereo mini jack to captive screw connectors
- For use with standard European single junction boxes
- Available in RAL9010 white
- Faceplate dimensions: 3.1" x 3.1" x 0.1" (8.1 x 8.1 x 0.2 cm)

Model	Version Description	Part Number
WPC 220 A EU	EU gang - RAL9010 White	70-1032-05

WPC 220 A MK

Wallplate with Pass-Through Connectors for HDMI, Computer Video, and PC Audio - MK Junction Boxes

The Extron WPC 220 A MK wallplate is specifically designed to fit a standard MK Electric type British single-gang wall box. It features an HDMI female to HDMI female connector on 6" (15 cm) pigtail, computer video, and a 3.5 mm stereo audio with pass-through output on captive screw connectors for ease of integration in standard, 40 mm deep junction boxes. The Extron WPC 220 A MK wallplate is made of metal and is available in white.

FEATURES

- Video: HDMI female to HDMI female connector on 6" (15 cm) pigtail
- Computer video: 15-pin female to captive screw connectors
- PC audio: 3.5 mm stereo mini jack to captive screw connectors
- For use with standard MK Electric type British single-gang wall boxes
- Available in white
- Faceplate dimensions: 3.35" x 3.35" x 0.1" (8.5 x 8.5 x 0.25 cm)

Model	Version Description	Part Number
WPC 220 A MK	MK gang - White	70-1032-03

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MOUNTING HARDWARE

PMK 155

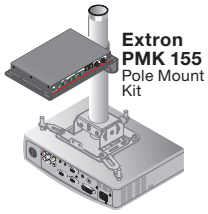
Pole Mount Kit for 1/8, 1/4, or 1/2 Rack Width Products

The Extron PMK 155 Low Profile Pole Mount Kit securely mounts one half-rack, two quarter-rack, or four-eighth rack width products, plus an external power supply, to a projector ceiling mount pole. It provides a convenient and secure mounting location out of sight, above the display device. The PMK 155 accommodates products such as the XTP SR HDMI scaling receiver for XTP Systems, MPA 401 Mono Power Amplifier, DTP HDMI 230 Rx twisted pair receiver for DTP Systems, and PS Series desktop power supplies.

FEATURES

- Securely mounts and conceals products above the projector
- Accommodates most eighth, quarter, and half rack width Extron devices
- Also accommodates many larger, half rack width products such as the XTP SR HDMI
- Compatible with PCM Series Projector Drop Ceiling Mounts
- Supports up to 5 lbs. (2.26 kg)
- All necessary hardware is included

Model	Version Description	Part Number
PMK 155	1U, 1/2 Rack Width Pole Mount Kit	70-739-12



AAP 314 and AAP 424

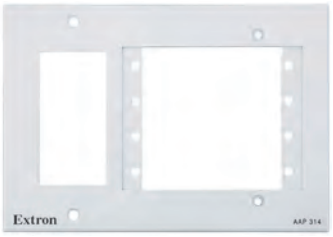
Three or Four-Gang Decora® and AAP Mounting Frames

The Extron AAP 314 and AAP 424 are three- and four-gang mounting frames, respectively, for Decora modules and Extron AAP - Architectural Adapter Plates. The AAP 314 accommodates one Decora module, such as the Extron WPD 140 A wallplate, and up to four single space AAPs. The AAP 424 accommodates two single Decora modules or one dual-Decora module, such as the Extron DTP HDMI 230 D, and up to four AAPs. Both frames mount directly to the wall, lectern, or other flat surface for convenient access to connectivity. Decora modules and AAPs are sold separately.

FEATURES

- Openings for one or two Decora modules
- Openings for up to four single-space AAP - Architectural Adapter Plates; AAPs sold separately
- Mounts directly to the wall, lectern, or other flat surface
- Also compatible with select SMB 100 Series surface mount boxes and EWB 100 Series external wall boxes
- Available in white
- Mud ring included

Model	Version Description	Part Number
AAP 314	Three-Gang Mounting Frame; White	70-1069-03
AAP 424	Four-Gang Mounting Frame; White	70-1070-03



AAP 314

AAP 424

AAP 424 shown with optional products; sold separately

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Extron

MOUNTING HARDWARE

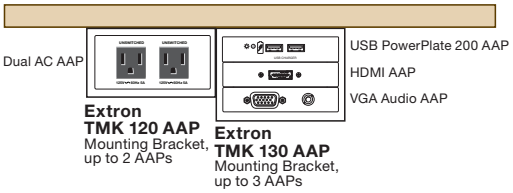
TMK 100 Series

Under Table Mounts for AAP - Architectural Adapter Plates

The Extron TMK 120 AAP and TMK 130 AAP are compact, under-table mounting kits for active and passive AAP - Architectural Adapter Plates. The TMK 120 AAP supports up to two single-space AAPs, while the TMK 130 AAP supports up to three AAPs. The kits utilize a simple two-piece design for ease of installation and assembly. The top portion of the kit provides full access to the AAP mounting lugs, washers, and nuts, as well as convenient keyhole openings for attachment to the table surface. The bottom portion mounts to the top portion, and surrounds and protects the connectivity plates and attached cables. Edges and corners are rounded to prevent clothing snags. The TMK 120 AAP and TMK 130 AAP are designed with flush sides so that multiple units can be seamlessly mounted side by side.

FEATURES

- Mount up to three AAPs, depending on the version
- Conveniently locates AV connectivity within reach of the system user
- Mounts securely beneath the furniture surface
- Mounting hardware included
- Available in a black powder coat finish



Model	Version Description	Part Number
TMK 120 AAP	Mounting Bracket, up to 2 AAPs - Black	70-1031-01
TMK 130 AAP	Mounting Bracket, up to 3 AAPs - Black	70-1031-03

UTS Series

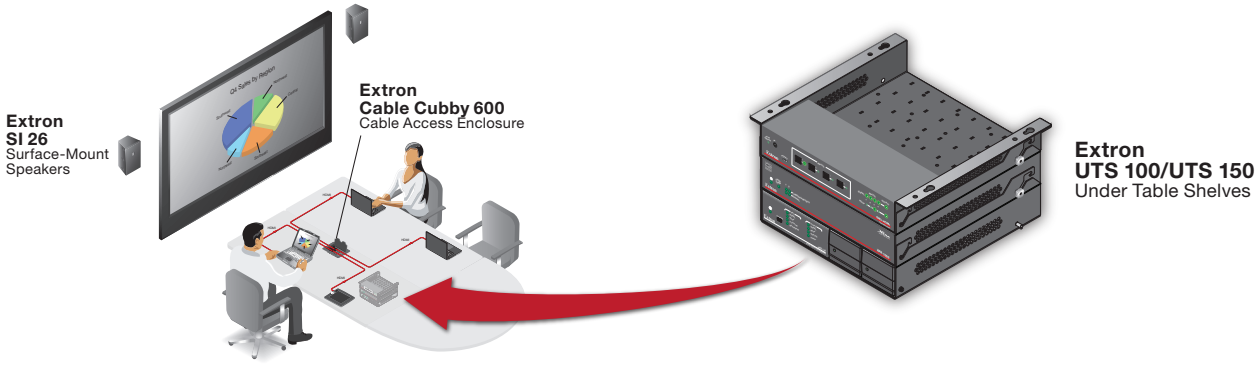
Under Table Shelf System

The Extron UTS Series of half rack width shelves is a self-supporting system designed for use in environments where a traditional equipment rack or cabinet cannot be located beneath a table top or other furniture surface. The compact UTS 100 Primary Shelf mounts directly to the undersurface of the table top, without rack rails, and supports any combination of half-, quarter-, and eighth-rack products. The UTS Series can be placed next to a table leg, in the center of the table, or within reach of the system user at the table's edge. For additional rack capacity, one or more UTS 150 Secondary Shelf units can be attached to the UTS 100 using the integrated hook-and-post mount system. The UTS system is expandable to meet most rack space needs. UTS Series products are finished in a durable gray powder coat finish to match other Extron products.

FEATURES

- Self-supporting 1U, half rack width shelf system
- Accommodates half rack, quarter rack, or eighth rack width products
- UTS 100 Primary Shelf mounts directly to the undersurface of furniture
- UTS 150 Secondary Shelves connect to the UTS 100 with a simple, secure hook-and-post mount system
- Mounting holes for 3", 6", and 9.5" deep Extron products
- Four rows of wire tie openings for improved cable management
- Available in gray powder coat finish

Model	Version Description	Part Number
UTS 100	Primary Shelf, gray	70-1028-01
UTS 150	Secondary Shelf, gray	70-1028-02



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CLASSROOM AV SYSTEMS

PoleVault Digital Systems

Complete AV Switching and Control Systems for Digital Sources

Extron PoleVault® Digital Systems are complete, easy-to-use AV switching and control systems that seamlessly integrate digital and analog video sources. Each system uses economical twisted pair cable for transmitting signals and includes network connectivity for Web-based AV resource management, monitoring, and control. These standard two and four input systems include all the necessary audio and video switching, audio amplification, system control, source connectivity, speakers, mounting hardware, and cabling for a complete classroom AV solution. All that remains is to add the display device and sources.

FEATURES

- Complete, centralized HDMI/VGA switching and control systems with stereo audio amplification
- Securely mounts and conceals switching and audio amplification components above the projector or on the wall
- Switching wallplates transmit audio and video signals over a single CATx cable
- Extron exclusive patented Flat Field® speakers deliver consistent sound levels across the listening area
- Powerful 50 watt rms audio amplifier
- Three port network switch allows two additional devices to share a single network drop
- Energy-efficient design offers Extron exclusive Auto Power Save and Standby modes designed to lower energy usage and reduce operating costs
- Network connectivity for Web-based monitoring and rapid problem resolution

PoleVault® Systems

Complete AV Switching and Control Systems for Ceiling Mounted Projectors

Model	Version Description	Part Number
PVS 200D	Two Input Digital PoleVault	42-207-03
PVS 400D	Four Input Digital PoleVault	42-208-03

PlenumVault® Systems

Complete AV Switching and Control Systems for Suspended Ceilings

Model	Version Description	Part Number
PLS 200D	Two Input Digital PlenumVault, CM	42-220-03
PLS 400D	Four Input Digital PlenumVault, CM	42-221-03
PLS 210D	Two Input Digital PlenumVault, NM	42-230-03
PLS 410D	Four Input Digital PlenumVault, NM	42-231-03

WallVault® Short-Throw Systems

Complete AV Switching and Control Systems for Wall Mounted Ultra Short-Throw Projectors

Model	Version Description	Part Number
WVS 200D	Two Input Digital WallVault, UST	42-209-03
WVS 400D	Four Input Digital WallVault, UST	42-210-03

WallVault® Wall Mounted Systems

Complete AV Switching and Control Systems for Wall Mounted Flat Panel Displays

Model	Version Description	Part Number
WVS 210D	Two Input Digital WallVault, WM	42-211-03
WVS 410D	Four Input Digital WallVault, WM	42-212-03

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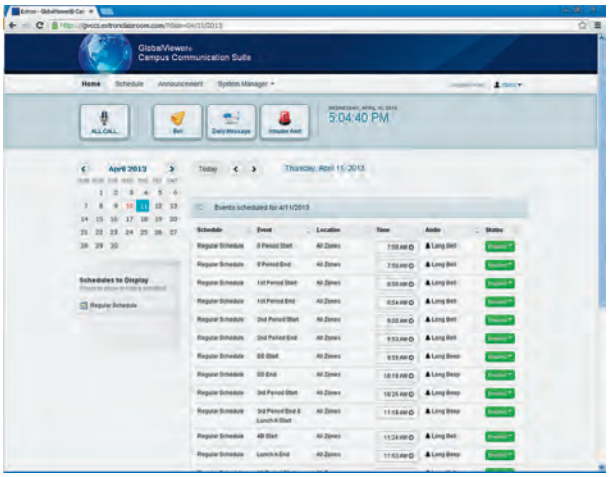
CLASSROOM AV SYSTEMS

GlobalViewer Campus Communication Suite

Network Management of Bells, PA, and Intercom Systems

The GlobalViewer® Campus Communication Suite is a complete solution for unifying all campus audio systems under an easy-to-use interface. The suite leverages the power of your existing network to provide bells, public address announcements and intercom communications throughout campus. The user interface is web-based and allows office personnel to easily manage bell schedules, broadcast announcements to various zones, or have two-way conversations with classrooms.



Home Screen

Flexible Bell Scheduling

GlobalViewer Campus Communication Suite allows bell schedules to be created and maintained either locally or at the district level. You can quickly and easily set recurring bell schedules for each school day. For special events, such as a rally or holiday closure, the bell schedule can be modified or disabled.

Convenient Access to Public Address Announcements

GlobalViewer Campus Communication Suite supports both live public address messages and pre-recorded announcements. Zone capability allows announcements to be routed to all locations on campus, a particular area, or a specific room. Routine announcements may be pre-recorded and played back at a designated time, or immediately at the push of a button.

Simplified Control

Managing campus audio systems is easy. GlobalViewer Campus Communication suite software runs in a standard web browser from any computer on the network. Using the intuitive graphical user interface, office personnel can administer the bell schedule, make announcements, or have two-way communication with classrooms.

CC 100C Codec

Integrated Intercom System

The intercom capability of GlobalViewer Campus Communication Suite provides two-way voice communication over the network. Flexible setup options allow users to be connected with the office or help desk.

CC 100C Codec

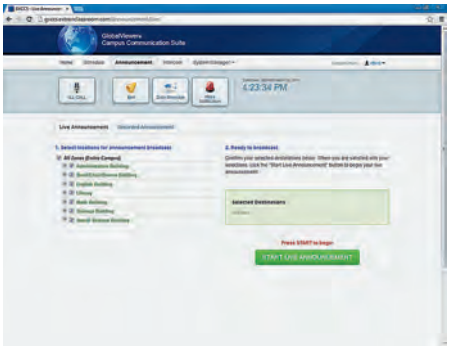
The CC 100C is a network audio encoder and decoder designed for use with Extron GlobalViewer® Campus Communication Suite. The CC 100C allows bells and announcements to be broadcast through the Extron Classroom AV System installed in the classroom, as well as provides a two-way communication path between the teacher and the office or help desk operator.

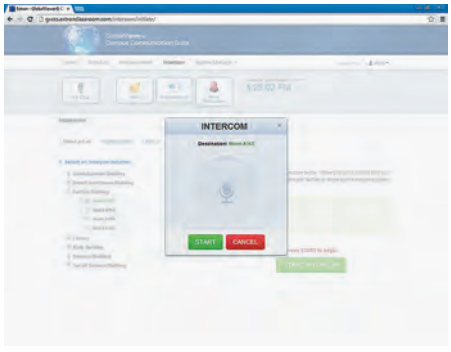
CC 101P Intercom Panel

CC 101P Intercom Panel

The CC 101P is and intercom panel designed for use with Extron GlobalViewer® Campus Communication Suite. This Decora wallplate features a microphone and push-to-talk call button that allows the user to communicate with the office or help desk operator.

Model	Version Description	Part Number
GlobalViewer Campus Communication Suite	Bells, PA, Intercom Software	29-110-01
CC 100C	Campus Communication Suite Codec	60-1445-01
CC 101P	Campus Communication Suite IC Panel	60-1444-03


Broadcast PA Announcements



Intercom User Interface

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CLASSROOM AV SYSTEMS

PlenumVault Systems

Complete AV Switching and Control Systems for Suspended Ceilings

PLS 400

Extron PlenumVault® Systems are complete, easy-to-use AV switching and control systems designed for classrooms with a suspended ceiling. PlenumVault Systems use economical twisted pair cable for transmitting signals and include network connectivity for Web-based AV resource management, monitoring, and control. These systems take their name from the unique PVM 220 PlenumVault Mounting Kit that securely mounts and conceals system components in the plenum space above a suspended ceiling.

FEATURES

- Complete, centralized AV switching and control systems with stereo audio amplification
- Designed for installations with suspended ceilings
- Securely mounts system components in the plenum space above a suspended ceiling
- Extron exclusive patented Flat Field® speakers deliver consistent sound levels across the listening area
- Powerful 50 watt rms audio amplifier
- Four port network switch allows three devices to share a single network drop
- Energy-efficient design offers Extron exclusive Auto Power Save and Standby modes designed to lower energy usage and reduce operating costs
- VoiceLift Microphone option allows the teacher's voice to be evenly distributed throughout the room
- Easy-to-use MediaLink controller included
- Systems use CAT 5-type cable for quick and easy connections and low-cost installation
- AV input wallplates use active, balanced twisted pair transmission which is resistant to signal loss and interference
- Simplifies setup; no programming required
- Tamper-resistant, theft-deterrent design
- Auto projector shut-off saves power and extends lamp life
- Network connectivity for Web-based monitoring and rapid problem resolution

Model	Version Description	Part Number
PLS 200	Two Input PlenumVault, ceiling mount	42-223-03
PLS 300	Three Input PlenumVault, ceiling mount	42-224-03
PLS 400	Four Input PlenumVault, ceiling mount	42-225-03
PLS 210	Two Input PlenumVault, no mount	42-227-03
PLS 310	Three Input PlenumVault, no mount	42-228-03
PLS 410	Four Input PlenumVault, no mount	42-229-03

VLP 202

VoiceLift® Compact Pendant Microphone

Original VLP 102 VoiceLift Pendant Mic

New VLP 202 Compact VoiceLift Pendant Mic

The Extron VLP 202 Compact Pendant Microphone is an infrared wireless microphone designed for use with Extron VoiceLift® systems. The small form factor makes the VLP 202 comfortable to wear, while the spring loaded clip design offers added convenience when clipping the microphone onto clothing. In addition, the VLP 202 provides a unique lanyard lock that makes it easy to adjust the microphone position for optimal performance.

FEATURES

- Infrared wireless pendant microphone for VoiceLift® systems
- Compact polycarbonate enclosure that is comfortable to wear
- Volume controls offer easy voice level adjustment
- Spring loaded clip and lanyard lock
- Power/Mute switch for easy operation
- Auxiliary input for MP3 player or other audio source

Model	Version Description	Part Number
VLP 202	VoiceLift Compact Pendant	60-1280-01

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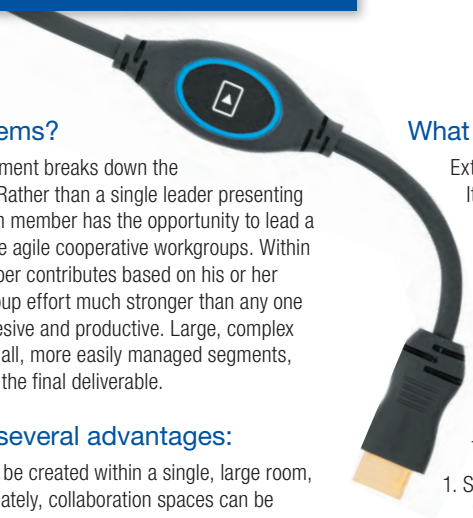
COLLABORATION SYSTEMS



What are Collaboration Systems?

The collaborative work or learning environment breaks down the traditional, large working group topology. Rather than a single leader presenting a topic to other team members, each team member has the opportunity to lead a presentation or discussion in smaller, more agile cooperative workgroups. Within the collaborative setting, each team member contributes based on his or her core strengths, making the whole workgroup effort much stronger than any one individual member and, in turn, more cohesive and productive. Large, complex projects can be divided into a series of small, more easily managed segments, which are then brought together to create the final deliverable.

Collaboration systems offer several advantages:

- Multiple, smaller workgroup spaces can be created within a single, large room, thus maximizing space utilization. Alternately, collaboration spaces can be created within an existing work area or classroom, allowing workgroups to meet on an ad hoc basis, quickly and easily, without disrupting the work of others in the room.
- Workgroups can be formed, or re-formed, as project needs develop or change over time.
- Workgroups can be varying sizes, typically from as few as two members to as many as six, depending on the scope of work to be accomplished by each group. Individual team members can be part of one or more workgroups, based on their areas of expertise.
- Workgroups can meet as needed, whether once a week or several times each day, coming together to discuss the project, problem, breakthrough, or obstacle.

What is Extron TeamWork®?

Extron TeamWork is a new concept in collaborative AV system design. It works with virtually any furniture system, new or currently in use. Unlike other collaborative systems that are designed around specific, proprietary furniture systems that must be installed new, TeamWork can be installed with any classroom or business furniture system. In fact, there's a very good chance that TeamWork can be installed with the furniture system you're using today.

Fully Customizable

TeamWork is fully customizable to meet any collaboration need in three easy steps:

1. Select a switcher and the appropriate combination of HDMI or VGA "Show Me" cables
2. Select an IP Link control processor
3. Select a Cable Cubby enclosure, wallplate, or other architectural connectivity

Pre-configured TeamWork packages, for four to six users, are also available for fast implementation with minimal setup.

Simple, intuitive operation: Extend - Connect - Share

TeamWork operation is simple and intuitive. To start the TeamWork system, simply connect one of the system's "Show Me" control cables to the video output on your device. As soon as an active signal is detected, the display will be powered on. By pressing the "Share" button on your "Show Me" cable, the button lights and the switcher automatically selects the appropriate input. When you're done, simply disconnect your laptop and walk away. An integrated inactivity timer automatically turns off the display after a pre-determined time period. TeamWork facilitates collaboration without getting in the way.

TeamWork
DIGITAL COLLABORATION SYSTEMS

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COLLABORATION SYSTEMS

Customize Your TeamWork Systems

Extron TeamWork® is a fully customizable collaboration system that can be easily tailored to fit collaboration requirements for up to eight users, in three easy steps:

Step 1
Select a switcher and HDMI, VGA and DisplayPort "Show Me" cables

Step 2
Select an Extron IP Link® control processor

Step 3
Select a Cable Cubby® enclosure, wallplate, or other architectural connectivity

The online **TeamWork System Builder** quickly steps you through the creation of custom TeamWork system. Choose from a wide range of Extron products to select the switcher and "Show Me" cables, IP Link control processor, and Cable Cubby enclosure, wallplate, or other architectural connectivity that are best suited for your collaboration environment. There are many Extron products suitable for TeamWork applications. For more information or to discuss a particular collaboration system requirement, contact your Extron representative.

TeamWork 601

Pre-Configured Collaboration System for Four Digital and Two Analog Sources

The Extron TeamWork® 601 is a complete, pre-configured collaboration system for four digital and two analog sources. The package includes four HDMI and two VGA "Show Me" cables, a switcher, a system controller, a Cable Cubby® enclosure, and other necessary system cables. The system supports up to four digital laptops or tablets, and two legacy analog computer-video and audio sources, without the need for additional signal conversion equipment. The included MPS 601 switcher digitizes analog signals so that they can be switched to the display, along with native HDMI signals, on a single HDMI cable. TeamWork 601 works with virtually any new or existing furniture system. Optional mounting hardware facilitates different collaboration table or work surface designs.

FEATURES

- Complete collaboration system for groups of four to six users
- Four digital and two analog inputs
- Digitizes legacy analog computer and audio sources
- HDMI and analog signals are switched to the display on a single HDMI cable
- Works with virtually any new or existing furniture system
- Works with most flat panel displays, laptops, and tablets
- Pre-configured for fast, easy installation
- AC Power Modules for TeamWork 601i sold separately; two required per system

Model	Version Description	Part Number
TeamWork 601	120 VAC, with US AC outlets	42-240-01
TeamWork 601i	220 VAC; AC outlets sold separately	42-240-02

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COLLABORATION SYSTEMS

TeamWork 400

Pre-Configured Collaboration System for Four Digital Sources

The Extron TeamWork® 400 System is a complete, pre-configured collaboration system for four digital sources. The package includes four HDMI "Show Me" cables, an SW4 HDMI four-input HDMI switcher, a system controller, a Cable Cubby® enclosure, and other necessary system cables. TeamWork 400 works with virtually any new or existing furniture system, and supports legacy analog computer sources with the optional TeamWork VGA Kit. Optional mounting hardware facilitates different collaboration table designs. The TeamWork system is ideal for corporate and education applications that require a reliable, easy-to-use collaboration system that adapts to evolving collaboration needs.

FEATURES

- Supports groups of up to four users
- Complete package includes cables, HDMI switcher, system controller, and Cable Cubby® enclosure
- Pre-configured for fast, easy installation
- Works with virtually any new or existing furniture system
- Works with most flat panel displays, laptops, and tablets
- AC Power Modules for TeamWork 400i sold separately; two required per TeamWork 400i package

Model	Version Description	Part Number
TeamWork 400	120 VAC, with US AC outlets	42-214-01
TeamWork 400i	220 VAC; AC outlets sold separately	42-214-02

TeamWork 600

Pre-Configured Collaboration System for Six Digital Sources

The Extron TeamWork® 600 System is a complete, pre-configured collaboration system for six digital sources. The package includes six HDMI "Show Me" cables, an SW6 HDMI six-input HDMI switcher, a system controller, a Cable Cubby® enclosure, and other necessary system cables. TeamWork 600 works with virtually any new or existing furniture system, and supports legacy analog computer sources with the optional TeamWork VGA Kit. Optional mounting hardware facilitates different collaboration table designs. The TeamWork system is ideal for corporate and education applications that require a reliable, easy-to-use collaboration system that adapts to evolving collaboration needs.

FEATURES

- Supports groups of up to six users
- Complete package includes cables, HDMI switcher, system controller, and Cable Cubby® enclosure
- Pre-configured for fast, easy installation
- Works with virtually any new or existing furniture system
- Works with most flat panel displays, laptops, and tablets
- AC Power Modules for TeamWork 600i sold separately; two required per TeamWork 600i package

Model	Version Description	Part Number
TeamWork 600	120 VAC, with US AC outlets	42-216-01
TeamWork 600i	220 VAC; AC outlets sold separately	42-216-02

TeamWork VGA Kit

Analog to Digital Signal Conversion Kit

The Extron TeamWork® VGA Kit adds support for legacy analog computer sources to the TeamWork 400 and TeamWork 600 digital collaboration systems. The TeamWork VGA Kit includes one VGA "Show Me" cable, one analog-to-digital converter, and one HDMI output cable. One kit is required for each analog source in the TeamWork collaboration system. The analog-to-digital converter is factory-configured for use with 1080p-resolution flat panel displays for fast installation. Mini stereo audio cables are available separately for collaboration systems requiring audio support. Analog audio is digitized within the analog-to-digital converter and embedded into the HDMI output. Mounting hardware is optionally available to facilitate different collaboration table or work surface designs.

FEATURES

- Adds support for legacy analog computer sources to the TeamWork® 400 and TeamWork 600 collaboration systems
- Complete package includes VGA "Show Me" cable, HDMI output cable, and VGA-to-HDMI converter
- Pre-configured for fast, easy installation
- Hard-wired signal path protects sensitive content from remote monitoring by radio scanners or other electronic means
- Content shared within a TeamWork system is available only to those team members authorized to see it
- RGB and HDTV component video to HDMI scaling

Model	Version Description	Part Number
TeamWork VGA Kit	Analog Conversion Kit for TeamWork	42-219-01

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COLLABORATION SYSTEMS

HDMI SM

HDMI "Show Me" Cable for TeamWork Collaboration Systems

The Extron HDMI SM "Show Me" Cable provides the user interface for HDMI-equipped laptop computers or other sources in an Extron TeamWork® Collaboration System. Operation is simple and convenient: Connect the HDMI "Show Me" cable to your source device and press the "Share" button to share your content on the main presentation display. The cable meets Section 508 accessibility standards and is certified for use with Cable Cubby® enclosures.

FEATURES

- Provides the user interface for HDMI signals in a TeamWork® collaboration system
- Supports computer-video up to 1920x1200, including HDTV 1080p/60 Deep Color and 2K
- "Share" button lights as it switches the connected source to the main presentation display
- Ultra-flexible cable conforms to HDMI High Speed cable specifications
- 24" (60 cm) control/tally pigtail for ease of installation

Model	Version Description	Part Number
HDMI SM/6	HDMI "Show Me" Cable, 6' (1.8 m)	26-683-06
HDMI SM/12	HDMI "Show Me" Cable, 12' (3.6m)	26-683-12

VGA SMC

VGA "Show Me" Cable for TeamWork Collaboration Systems

The Extron VGA SMC "Show Me" Cable provides the user interface for legacy analog laptop computers in an Extron TeamWork® Collaboration System. Operation is simple and convenient: Connect the VGA "Show Me" cable to your source device and press the "Share" button to share your content on the main presentation display. The cable meets Section 508 accessibility standards and is certified for use with Cable Cubby® enclosures.

FEATURES

- Provides the user interface for analog computer-video signals in a TeamWork® collaboration system
- Supports analog computer-video signals up to 1920x1200 and HDTV 1080p/60
- "Share" button lights as it switches the connected source to the main presentation display
- 24" (60 cm) control/tally pigtail for ease of installation
- Available in 6' (1.8 m) and 12' (3.6 m) lengths
- Optional 3.5 mm mini stereo cable available

Model	Version Description	Part Number
VGA SMC/6	VGA "Show Me" Cable, 6' (1.8 m)	26-686-06
VGA SMC/12	VGA "Show Me" Cable, 12' (3.6 m)	26-686-12

DisplayPort SM

DisplayPort "Show Me" Cables for TeamWork Collaboration Systems

The Extron DisplayPort SM "Show Me" Cable provides the user interface for DisplayPort laptop computers in an Extron TeamWork® Collaboration System. Operation is simple and convenient: Connect the DisplayPort "Show Me" cable to your dual-mode DisplayPort enabled source device and press the "Share" button to share your content on the main presentation display. The cable meets Section 508 accessibility standards and is certified for use with Cable Cubby® enclosures.

FEATURES

- Provides the user interface for DisplayPort signals in a TeamWork® collaboration system
- Supports computer-video up to 1920x1200, including HDTV 1080p/60 Deep Color and 2K
- Provides connectivity between a dual-mode DisplayPort enabled source and an HDMI switcher
- "Share" button lights as it switches the connected source to the main presentation display
- Complies with VESA Interoperability Guideline

Model	Version Description	Part Number
DP-HDMI SM/6	DP to HDMI "Show Me", 6' (1.8 m)	26-689-06
DP-HDMI SM/12	DP to HDMI "Show Me", 12' (3.6 m)	26-689-12
MDP-HDMI SM/6	Mini DP to HDMI "Show Me", 6' (1.8 m)	26-690-06
MDP-HDMI SM/12	Mini DP to HDMI "Show Me", 12' (3.6 m)	26-690-12

Note: Extron "Show Me" Cables are sold as part of a complete TeamWork Custom or TeamWork Pre-Configured collaboration system. For more information or to discuss a particular collaboration system requirement, contact your Extron representative

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Extron 4K Solutions

High-Performance Video Solutions for 4K and Ultra HD Video

One of the greatest challenges facing system designers is figuring out how to implement AV systems that support 4K signals. Extron is ready with service, support and solutions to meet your 4K requirements. Extron 4K video solutions provide high-performance signal extension, routing, and distribution systems for 4K and UHD digital video signals. Whether designing for simulation, defense, medical, theater, themed attraction, or other applications, Extron delivers service, support, and the right solution to ensure your project is a success.

For assistance designing your 4K AV system, please contact your local Extron Customer Support representative. An Extron Applications Engineer will be assigned to your project and will work with you to ensure your complete satisfaction.

Extron Products That Support 4K

Extron provides a wide variety of 4K ready product solutions, including videowall processors, streaming encoders and decoders, media players, and fiber optic and twisted pair signal distribution products. Look for products that display the **4K/UHD Ready** logo.

- Support 4K, UHD, DisplayPort, HDMI, DVI, and 3G-SDI video — Extron 4K video solutions support a wide range of video formats and resolutions.
- Twisted pair, fiber optic, signal processing, streaming, and playback solutions available
- DTP HDMI 230 and DTP HDMI 330 extenders transmit 4K and UHD signals up to 330 feet (100 meters) over shielded twisted pair cable
- DTP CrossPoint 84 supports 4K and UHD signals at all inputs and HDMI outputs
- XTP CrossPoint® matrix frames are 4K and UHD ready
- The 15.2 Gbps data-rate digital backplane design of the XTP CrossPoint® matrix switchers ensures full compatibility with 4K and UHD signals
- Quantum videowall processors support a variety of 4K and UHD applications
- VN-Matrix 250 systems stream 4K content with visually lossless quality and minimal latency
- Configure JMP 9600 2K media players into 4K content playback systems
- FOX Series extenders transmit 4K and UHD signals very long distances over fiber optic cabling
- FOX Series matrix switchers available in I/O sizes from 8x8 to 1000x1000 and larger
- Fiber optic products available as an 850 nm multimode model for moderate-range transmissions up to 2 km (1.25 miles) and a 1310 nm singlemode model for extreme distances up to 30 km (18.75 miles)

To get started with Extron 4K Solutions
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Extron Control Systems Certification Programs

Establish Your Knowledge of Extron Control Systems

We are launching two new Extron Control Systems Certification programs designed to prepare individuals to successfully deploy and maintain customized AV control systems that are built around our recently-launched IP Link® Pro Series and TouchLink® Pro Series products. The **Extron Control Specialist – ECS and Extron Control Professional – ECP** certifications focus on control system customization for a wide range of applications, advanced device communications, troubleshooting, and best practices.

Certification Comparison

Extron Control Specialist - ECS

Audience

This program is ideal for industry professionals who install, configure, operate, manage, and troubleshoot AV control systems. This includes design engineers, system integrator installers, system integrator project managers, and control system programmers. A background of AV control system design and installation experience is recommended.

Delivery Method

ECS is delivered through instructor-led training. To achieve certification, students must also pass an Extron-proctored hands-on exam.

Course Content

ECS consists of the following general categories:

- Master Global Configurator Plus software
- Control system design concepts
- Configure a wide range of room control functions using Global Configurator Plus
- Configuring for integration with GlobalViewer® Enterprise AV Resource Management
- Create custom control interfaces using GUI Designer software, plus GUI design best practices
- System validation

Extron Control Professional - ECP

Audience

This program is ideal for advanced users or those with a programming background who understand the complexities of more sophisticated systems. A background of 2-5 years of AV control system design, programming, and installation experience is recommended.

Delivery Method

ECP is delivered through instructor-led training. To achieve certification, students must also pass an Extron-proctored hands-on exam.

Course Content

ECP consists of the following general categories:

- Master Global Configurator Professional software
- Advanced control system design concepts for larger, more sophisticated applications
- Advanced configuration using Global Configurator Professional
- Configuring for integration with GlobalViewer Enterprise AV Resource Management
- Create custom control interfaces using GUI Designer software, plus GUI design best practices
- Complex system validation

Learn More

To find out more about the Extron Control Systems Certification programs, contact your Extron S3 Customer Support Representative.

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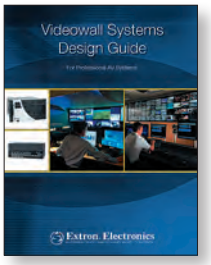
DESIGN AND EDUCATION RESOURCES

Videowall Systems Design Guide

A Comprehensive Resource for Videowall System Design

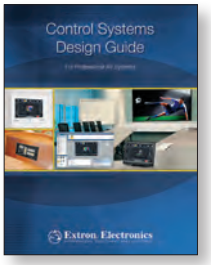


The Videowall System Design Guide is a comprehensive reference for AV professionals tasked with creating high performance videowall systems designs, with in-depth coverage of essential topics such as room design, videowall processing features, display technology, system control, and cost of ownership

Call your Extron Representative for a copy.

Control Systems Design Guide - Second Edition

AV Control System Design Strategies

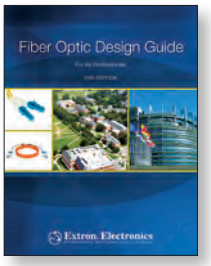


The 2nd Edition of the Control Systems Design Guide features the latest Extron control systems products and technologies, new AV control systems designs, and updated Apps, software, and training information. This Guide offers an "insiders look" at what Extron considers the best methodologies for AV system design. It focuses on educating the control system designer, integrator, and consultant on the importance of designing for control, and helps the AV professional develop the required expertise to design functional, highly-effective, and intuitive control systems.

Call your Extron Representative for a copy.

Fiber Optic Design Guide - Third Edition

A Guide to Fiber Optic AV System Design



This updated edition of the Extron Fiber Optic Design Guide is a complete reference tool for understanding and applying fiber optic solutions in real-world scenarios. Building upon the foundation established in the previous editions, it is designed to help AV professionals of all levels enhance their ability to employ fiber optics in AV systems. With material ranging from technology fundamentals to advanced concepts, including system testing, this guide provides detailed yet practical approaches for a variety of system designs, and offers updated solutions using the extensive family of Extron fiber optic products.

Call your Extron Representative for a copy.

Digital Design Guide - Third Edition

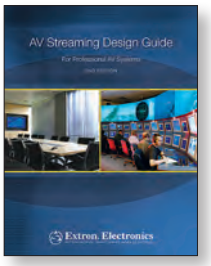
Digital Video for Professional AV Systems

The Digital Design Guide is a comprehensive resource for digital video systems and implementing effective system design strategies. This guide is newly updated and expanded with the latest formats and technologies. Also included are all-new discussions on signal management and infrastructure planning for high resolution video. Several detailed system design examples have been created specifically for this guide. They reflect typical real-world AV applications, and feature a wide range of key Extron technologies and product solutions.

Call your Extron Representative for a copy.

AV Streaming Design Guide - Third Edition

AV Streaming Over IP for the AV Professional



AV streaming technologies have been around for over a decade, and today they are finding their way into more and more professional AV systems. The newly updated Extron AV Streaming Design Guide is an educational resource for familiarizing AV professionals with the technologies, challenges, and potential applications of AV over IP streaming. It includes an examination of video compression systems, networking and streaming protocols, device compatibility topics, and a range of streaming system architectures. Detailed system designs are presented that identify real-world applications utilizing Extron AV streaming products.

Call your Extron Representative for a copy.

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Extron CERTIFIED

XTP Systems Certification Program

Establish Your Knowledge of Digital Systems

The Extron XTP Systems Certification program involves online and instructor-led training for design and implementation of enterprise-wide digital systems based on Extron's XTP Systems. Step-by-step instruction provides a balanced approach to theory and hands-on application with an emphasis on the practical aspects of designing, installing, and supporting digital AV systems.

Successful completion of the XTP Systems Certification program ensures a thorough understanding of XTP System design and implementation, and provides recognition and validation of newly acquired expertise with digital applications.

Certification Categories

Extron XTP Systems Certification is awarded by discipline:

- **XTP Systems for Design Engineers: XTP-E**
- **XTP Systems for Technicians: XTP-T** Coming Soon

Certification Components

Online

Digital AV Technologies

The online course provides the learner an understanding of digital video and audio signal formats, the anatomy of a digital video signal, understanding EDID and defining how DRM impacts digital AV system design. It also provides insight into what to expect as the "analog sunset" continues to pass and how to identify digital issues found within professional AV systems as more components enter into the digital realm.

Note: The online component must be completed before registering for the instructor-led component of the XTP Systems Certification program.

Instructor-Led

XTP System Technologies for Design Engineers

Students attend concentrated two day instructor-led training and sit for a final exam in the student's core discipline. The instructor-led portion of the Extron XTP Systems Certification program consists of the following content:

Day 1: **XTP Systems Theory**

Students will gain a complete understanding of system design for Extron XTP Systems. Instruction includes the general principles of system management, maintenance, and support. This day concludes with an exam on learned content.

Day 2: **XTP Systems for Design Engineers: XTP-E**

Coursework covers complete XTP System design concepts, complex system configuration, and designing for real-world scenarios. The final exam for XTP-E certification is focused on system design and configuration.

How To Enroll

Contact your Extron Support Representative or visit www.extron.com/training/xtpcert click on the Enroll Now button on the right and an Extron Support Representative will contact you.

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